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No. 27.—APRIL, 1905

DEPARTMENT OF THE INTERIOR  
BUREAU OF GOVERNMENT LABORATORIES

A REVIEW OF THE IDENTIFICATIONS OF THE  
SPECIES DESCRIBED IN BLANCO'S  
FLORA DE FILIPINAS

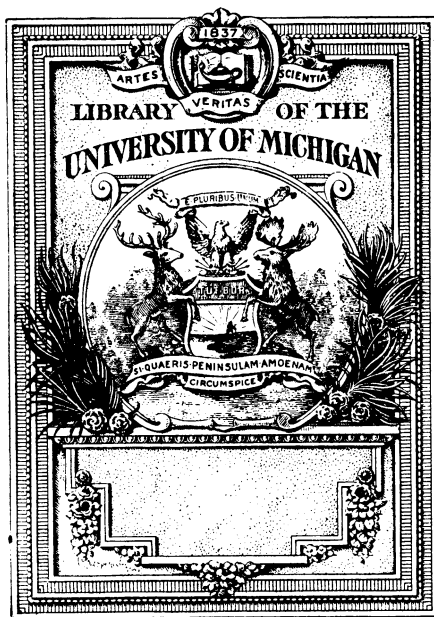
BY

ELMER D. MERRILL,

BOTANIST

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## LETTER OF TRANSMITTAL.

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DEPARTMENT OF THE INTERIOR,  
BUREAU OF GOVERNMENT LABORATORIES,  
OFFICE OF THE SUPERINTENDENT OF LABORATORIES,  
*Manila, P. I., July 25 1904.*

SIR: I have the honor to transmit herewith a paper entitled "A Review of the Identifications of the Species Described in Blanco's Flora de Filipinas," by Elmer D. Merrill, botanist.

I am, very respectfully,

PAUL C. FREER,  
*Superintendent of Government Laboratories.*

Hon. DEAN C. WORCESTER,  
*Secretary of the Interior.*





## A REVIEW OF THE IDENTIFICATIONS OF THE SPECIES DESCRIBED IN BLANCO'S FLORA DE FILIPINAS.

By ELMER D. MERRILL, *Botanist.*

### INTRODUCTION.

“Il est à regretter que ces révérends ecclésiastiques (Blanco and Loureiro) et même le Père Plumier, leur prédécesseur, ne se soient pas contentés d'écrire des homélies.” Thus A. DeCandolle<sup>1</sup> expressed his opinion of Blanco's botanical work, an opinion in which all botanists who have occasion to study the Philippine flora will heartily concur.

While we must agree with DeCandolle's opinion regarding Blanco's work, and while undoubtedly the publication of Blanco's *Flora de Filipinas* has retarded rather than advanced our knowledge of the Philippine flora, still much credit is due to this author for prosecuting his investigations under most unfavorable conditions. The preparation, by the unaided efforts of one man, of a work of the magnitude of Blanco's *Flora de Filipinas*, with no correspondence with contemporary European botanists, with few reference books, and no authentically named botanical specimens, and where almost every fact noted is the result of the personal observation of the author, is in itself a monument to the zeal and ability of Blanco, and, after a consideration of the circumstances under which the work was accomplished, one can but wonder that the author did not commit more errors.

Blanco's generic and specific descriptions, judged from the standpoint of modern botany, are certainly very imperfect and incomplete, yet many of them are equal or even superior to many of those published by his contemporaries. However, while on the

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<sup>1</sup> *Phytographie*, 141.

one hand the types of the species described by various European botanists are still preserved in various herbaria in Europe, and an examination of the type specimen will usually clear up any question existing as to the identity of any doubtful species, on the other the types of all of Blanco's species have been destroyed. It is certain that Blanco had at least a working herbarium, but unfortunately, after his death, the value of his collection was not recognized. Accordingly, to-day we are dependent entirely on his imperfect descriptions for the identification of his species.

In the two editions of the *Flora de Filipinas*, Blanco described no less than 1,127 species and varieties, of which about 623 were proposed by him as new to science, and 219 were correctly and 285 incorrectly identified with species of other authors. A large percentage of Blanco's new species are to-day unknown, but the greater proportion will eventually be reduced as synonyms of those described by other authors. At the present time but 90 are known to be valid. Considering the early date when Blanco did his work and the fact that the Philippine flora is especially rich in endemic species, the percentage of valid ones among those proposed by Blanco is exceedingly small, but this is due to several factors. Most of Blanco's botanical material was from the immediate vicinity of towns or from thickly settled regions, and accordingly a great proportion of his species were based on widely distributed and cosmopolitan forms. He had practically no material from the higher mountains, where the flora is especially rich and interesting; he made no attempt to make his work exhaustive for any one family or group—in fact, he almost entirely ignored such large and critical families as the *Orchidaceæ*, *Gramineæ*, *Cyperaceæ*, etc. He endeavored particularly to include all species of economic value, especially cultivated plants, and he erroneously identified with species of other authors very many which would have been valid had he given them distinctive specific names.

#### THE FIRST EDITION OF BLANCO'S FLORA DE FILIPINAS.

In the year 1837 there was published in Manila the first edition of Blanco's *Flora de Filipinas*, an octavo volume of 887 pages, with an introduction of 18 additional pages, the latter containing an explanation of the principles of botany, of the technical terms used in the text, of the Linnean system of classification, and an enumeration of the genera treated in the work, arranged in classes

according to the latter. The work is entirely in the Spanish language, and contains the descriptions of 903 species and varieties under Latin and 31 under native names only. This work is the only one of its kind treating of the flora of the Philippines, and on account of the many imperfect descriptions, and also due to the fact that the types of Blanco's species were never accessible to European botanists, the publication of this work has caused considerable confusion in the subsequent treatment of the flora of the Philippines and the adjacent Malayan region, although had the types of Blanco's species been preserved his work would have compared very favorably with that of many of his contemporaries. According to Blanco's statement he had few botanical books, chiefly Linnaeus' *Systema Vegetabilium*, Jussieu's *Genera Plantarum*, Aublet's *Histoire des Plantes de la Guiane françois*, and some of the earlier volumes of DeCandolle's *Prodromus*.

#### THE SECOND EDITION.

In 1845, shortly after Blanco's death,<sup>1</sup> a second edition of his *Flora de Filipinas* was published, an octavo volume of 619 pages, very similar to the first one in its style and arrangement, but scarcely an improvement. In the second edition 1,131 species and varieties are described under Latin and 27 under native names only. Six described in the first are excluded from the second, while 198 are added in the second, and no less than 247 described in the first are included in the second under different generic or specific names. As the descriptions of the species in the second edition contain no references to those in the first, it was in many cases difficult to correlate the species of the two editions up to the time of publication of the *Novissima Appendix*. In some cases the specific or generic names were arbitrarily changed by Blanco, while in others he attempted to identify certain species which were treated of in the first edition with those which had previously been described by other authors. Very few of these changes are correct. In other cases in the first edition he described species under their proper names, which in the second he erroneously altered.

It is frequently rather difficult to determine definitely whether or not Blanco intended to describe a species as new or to identify the same with those of other authors. In some cases, but not always, he indicates these new species. Authorities for species are

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<sup>1</sup>Blanco died in Manila April 1, 1845.

not given, and only when he gives a citation at the end of a description, to Linnaeus, DeCandolle, or other authors, can we be sure that he intended these to represent species of other authors.

Blanco had little conception of geographical distribution, and on the one hand identified many endemic species with those of Asia, and even of tropical America, in the latter being influenced by Aublet's *Histoire des Plantes de la Guiane françoise*, of which work he had a copy, while on the other hand he described as new many species, native of tropical America, introduced as weeds or as cultivated plants. The second edition like the first follows the Linnean system of classification, with some changes in the sequence of families and genera, but is marred by many typographical errors, which are probably due to the fact that Blanco's death occurred some months before the book was printed, and the correction of the proof devolved on some person who had little or no botanical knowledge.

#### THE THIRD EDITION.

The third or Augustinian edition of Blanco's *Flora de Filipinas* was published in Manila between the years 1877 and 1883, under the auspices of the Order of Augustinians. It is a pretentious publication of four volumes of text and two volumes of plates, and is the work of two Augustinian priests, Andreas Naves and Celestino Fernandez-Villar. The first three volumes practically consist of only a reprint of the second edition with a Latin translation, although in rare instances names that are used for species in the first edition are substituted for those in the second. In the third no page references are given to species in the first and second, and accordingly the third edition is of little practical value, and shows no improvement over the second except that it is more available to botanists who have no knowledge of the Spanish language. The authors of the third edition practically succeeded only in extending the data included in the small, convenient octavo volume of the second, through three bulky folio volumes, and in so doing added nothing to our knowledge of Blanco's species or to our knowledge of the Philippine flora. Volume 1 of the third edition was published in the year 1877 and contains 350 pages, including the species from Monandra, Monogynia to Hexandra, Hexagynia; volume 2 was published in the year 1878 and consists of 418 pages, including the species from Octandria, Monogynia, to Polyadelphia, Polyantra, while volume 3, published in 1879, consists of 271 pages and

contains those from Syngenesia to Cryptogamia, and the uncertain species. The fourth volume and the two of plates have no direct connection with the first and second editions of Blanco's *Flora de Filipinas*, the *Novissima Appendix*, one of the papers in the fourth volume, being the only part of interest to us here.

#### THE NOVISSIMA APPENDIX.

The *Novissima Appendix*, the third and last article in the fourth volume of the third edition of Blanco's *Flora de Filipinas*, consists of 375 pages and was published in Manila between the years 1880 and 1883, the last part of the work being printed in June, 1883. This paper in the work of Celestino Fernandez-Villar and Andreas Naves, and upon it the present paper is largely based. The object of the publication of the *Novissima Appendix* was not only to reduce the species of Blanco's *Flora de Filipinas* to known ones of older authors but also to enumerate all the species of plants then known from the Philippines. In both cases, but more especially in the former, the authors fell far short of the mark. The authors of the *Novissima Appendix* made the serious mistake of identifying Blanco's Philippine species with those of other authors from British India and the Malayan region, and, except in the cases of widely distributed and well-known species, nearly all of their identifications are erroneous; and in so identifying Blanco's species they only succeeded in further complicating Philippine botany by crediting to the Archipelago scores of species that do not extend to the Philippines. Of the 1,127 species and varieties described by Blanco, 5 only were considered by the authors of the *Novissima Appendix* to be unknown, 1,122 being for most part reduced without question and without discussion to species of other authors. In the present paper it is considered that no less than 289 of Blanco's species are unknown at the present time, notwithstanding the work that has been done on the Philippine flora since the publication of the *Novissima Appendix*, and in no less than 490 other cases it has been found necessary to change or doubt the identifications of Villar and Naves. It is evident that these authors accomplished their work in the library rather than in the field and in the herbarium, and that they reduced Blanco's species to those of other authors not so much by the study of botanical material as by the examination and comparison of descriptions. It is also very evident that, no matter how well they understood Blanco's species, they had little knowledge of the

extra-Philippine flora, and very little conception of geographical distribution. While comparatively few of the specific identifications are correct, it is a remarkable fact that very few errors are to be found in their generic identifications.

In the preparation of the manuscript for the Novissima Appendix the treatment of the Dicotyledons is by Villar, and follows the arrangement of Bentham and Hooker's *Genera Plantarum*. The Monocotyledons were commenced by Naves and completed by him to page 307 (*Fimbristylis nutans* Vahl.), the remainder of the work being by Villar. The last part of the *Genera Plantarum* was not published in time to be utilized in the treatment of the Monocotyledons.

The Novissima Appendix serves an excellent purpose in that it for the first time correlates the species of the three editions of Blanco's *Flora de Filipinas*, page references being given to all those described by Blanco in the three editions. Previous to the publication of the Novissima Appendix it was very difficult to correlate the species of the first two editions of the *Flora de Filipinas* owing to the fact that Blanco changed the names of so many species in the second edition, giving no references to the names found in the first. The Novissima Appendix also gives us a clew to the proper families and genera of Blanco's species, for it is rare indeed that they are referred to wrong genera.

The identifications of Villar and Naves have been used as a basis of the present work, and these have been accepted in all cases where the facts seem to warrant. Identifications have been discarded in some cases by a careful comparison of descriptions, and in others by a comparison of descriptions in connection with the known geographical distribution of species.

#### GENERA.

In the first edition of the *Flora de Filipinas* Blanco described seventeen new genera, four of which were discarded by him in the second, while in the second he described six additional new ones, making a total of twenty-three. Of these twenty-three genera, three—*Lunasia*, *Palaquium*, and *Malaisia*—are recognized to-day as valid; two—*Balingayum* and *Soala*—are unknown or uncertain, while the remaining eighteen have been satisfactorily reduced as synonyms of previously established genera of other authors. Of

the two unknown, *Suala* belongs to the *Anonaceæ*, but can scarcely be *Cyathocalyx*, to which it has been reduced by later authors. *Balingayum* has been reduced by various authors questionably to *Erythropalum*, a genus of the *Olacaceæ*, while Fernandez-Villar retains it as a distinct genus of the *Onagraceæ*. Specimens are necessary to determine just what these genera may be, and should be found in the localities cited by Blanco in his descriptions.

#### SPECIES.

Of the 1,127 species and varieties described by Blanco in the two editions of his *Flora de Filipinas*, so far as we have been able to determine them, 289 are to-day either unknown or at least very imperfectly known from Blanco's descriptions only. These species which Blanco erroneously identified with those of older authors are of comparatively little importance to us, whether or not such are ever identified they will have no effect on the nomenclature of Philippine botany. However, with respect to those which Blanco described as new to science, it is very important to have them properly identified at the earliest date possible. Of the 289 species at present unknown, 65 Blanco erroneously identified with those of other authors, while 224 were first described by him. Of the total of 1,127 species, 623 were described by Blanco as new, 219 were correctly and 285 incorrectly identified with those of other authors. Of the 623 species described by Blanco as new, so far as known to-day, 297 have been satisfactorily reduced as synonyms of those previously described, 236 are quite unknown, while of 90 species Blanco's descriptions are the first known, and his specific names are or should be retained. It is confidently expected that we shall in the future be able to identify a large percentage of these unknown species, many of which will prove to be valid, Blanco's names replacing names of those at present credited to other authors, while many will be satisfactorily reduced as synonyms of previously described species.

#### THE IDENTIFICATION OF BLANCO'S SPECIES.

In identifying Blanco's species numerous factors must be considered, but it is at once evident that the identification of those which are at present unknown will depend primarily on the field worker, and accordingly the present paper has been prepared with the view of aiding collectors in the field. Blanco frequently gives much more



space and attention to the description of gross characters and to the discussion of the economic uses of his species than to an enumeration of strictly technical characters, data and information which the ordinary dried botanical specimen does not show unless the collector's notes are very complete. Accordingly, European botanists, working only with dried material, have been unable to identify many of Blanco's species, but investigators working in the Philippines have been able to do this with little trouble because they have the advantage of knowing the various species as they appear in the field, and have to a greater or less extent the opportunity of collecting in the localities from which Blanco received his material, and of securing data regarding the economic uses of the different species, the native names, and other information which is often essential to correct identification. However, botanists working in the Philippines have been at a disadvantage in that they have not had access to the types of Malayan species in the various European herbaria, and accordingly have in many cases erroneously reduced those of Blanco to entirely different species, which in many cases do not extend to the Philippines.

Blanco's botanical material was, for most part, from the Island of Luzon, very few species being from the southern islands—Mindoro, Negros, Cebu, etc.—and not a single one from as far south as Mindanao. By far the greater part of his Luzon material came from provinces near Manila, especially from Rizal and Bulacan, while many specimens were from Pampanga, Bataan, Union, Ilocos Sur, and Camarines, few being from other provinces, such as Ilocos Norte, Cagayan, etc. In nearly all cases where Blanco does not cite the locality from which his material was received it is probable that it came from provinces near Manila, at least for the greater part. Very few were from the higher altitudes, and none from the higher mountains. *Pinus taeda* Blanco, non Linn., *Llanosia toquian* Blanco, and *Blechnum colubrinum* Blanco are examples of species from the mountains, but none of these are from the higher peaks.

The native names of plants are a very important factor in the identification of Blanco's species, but these are frequently very local and more or less subject to variation, both in pronunciation and in application. However, as a rule the native names recorded

by Blanco are to-day applied to the same species *in the same locality*, hence it becomes necessary, when collecting with the view to the rediscovery of those of Blanco, to secure, so far as possible, material in the very towns from which he received his specimens, for frequently a name in almost universal use in one locality to designate a certain species may be quite unknown to natives of a neighboring one, or if used by the latter may be applied to an entirely different species. Native names of species of economic value, those which yield valuable timbers, dyes, and tans, food, fiber, medicines, etc., are frequently quite invariable and are universally used throughout the provinces inhabited by any one tribe of people to designate a certain definite species, and in many cases such plant names are found to be common to several dialects. In questioning natives in regard to the names and uses of plants one will frequently encounter people who have almost no knowledge even of the most common species, and unless the investigator has more or less experience in dealing with natives, and some knowledge of the subject of plant names, he is apt to receive a worthless list, made up for the occasion. However, in every town there will be found a certain number of persons who are thoroughly acquainted with the names and properties of the plants growing in the vicinity, and names secured from such persons are usually correct, at least for that locality, and can be depended upon. Certain names are used in a generic rather than in a specific sense to designate all species in a closely related group or species which have common characteristics, such as *Balete*, for most scandent species of *Ficus*; *Malaruhut*, for many species of *Jambosa*; *Dapo*, for most epiphytic plants, etc.

The present paper has been prepared in order to summarize in a convenient form our present knowledge of the species of plants described by Blanco and to call especial attention to such as are at present unknown, in order that collectors in the future may have some guide in collecting material which may serve to clear up the identity of some of his unknown species. In the preparation of this paper, wherever Blanco's names are found to be valid, and there is no doubt as to the identity of the species, they have been retained in accordance with the principles of priority. For the best interests of Philippine botany it is very essential that every effort be made to properly identify the large number of unknown species proposed by Blanco, as with so many in our flora a stable nomenclature can not be established until the majority are properly identified.

The arrangement of the present paper follows that of the Novissima Appendix. All the species described by Blanco are included with page references in the text under each to the first and second editions of the Flora de Filipinas, while in the general index the same are given to the third edition and to the Novissima Appendix. All the native names given by Blanco have been included. They are only in the following dialects: Tagalog, Pampangan, Visayan, Bicol, and Ilocano, represented respectively by the following letters: T., P., V., B., I. Such data as the date of flowering, locality, size of the plant, and habitat are given in the case of those species which to-day are doubtful or unknown, when such data are given by Blanco. Species of Blanco, of the correctness of the identification of which we are quite certain, are followed by an exclamation mark, while the unknown and uncertain ones are preceded by an asterisk.

## ENUMERATION OF THE SPECIES.

### RANUNCULACEÆ.

**Atragene zeylanica** Blanco, ed. 1, 461; ed. 2, 321, non Linn. Villar considers that Blanco includes two distinct species in his description and refers Blanco's species in part to *Naravelia zeylanica* DC., a species that does not extend to the Philippines, and in part to *N. laurifolia* Wall. Blanco's description seems to include the two species known as *Naravelia laurifolia* Wall., and *Clematis gouriana* Roxb., both these species being common and widely distributed in the Philippines. L., *Banaibanai*, *Ovai na panglao*.

### DILLENIACEÆ.

**Dillenia indica** Blanco, ed. 1, 472, non Linn.; **Dillenia speciosa** Blanco, ed. 2, 329, non Thunb. = *Dillenia philippinensis* Rolfe! T., *Catmon*.

**Delima aspera** Blanco, ed. 1, 429; ed. 2, 299 = *Tetracera sarmentosa* (Linn.) Vahl! (*Delima sarmentosa* Linn.) The pubescent form of this species. T., *Malbas tagbalang*.

**Tetracera monocarpa** Blanco, ed. 1, 459; **Tetracera sarmentosa** (Linn.) Vahl., ed. 2, 320. The latter name is correct! Erroneously referred by Villar to *Tetracera macrophylla* Wall., a species that does not extend to the Philippines. T., *Malacatmon*.

### MAGNOLIACEÆ.

**Magnolia angatensis** Blanco, ed. 1, 859; ed. 2, 328 = *Talauma angatensis* (Blanco) F.-Vill.! T., *Anobling*.

**Michelia champaca** Linn., Blanco, ed. 1, 462; ed. 2, 322.! T., *Sampac*, *Sampaca*.

\* **Kadsura blancoi** Azaola in Blanco, ed. 2, 594. Reduced by Villar to *Schizandra elongata* Hook. f. et Th., a species that does not extend to the Philippines. Doubtless a true *Kadsura* and a good species, possibly represented by No. 23 Loher.

### ANONACEÆ.

**Unona setigera** Blanco, ed. 1, 468; **Uvaria setigera** Blanco, ed. 2, 323. Reduced by Villar to *Uvaria purpurea* Blume, but is probably a synonym of *Uvaria rufa* Blume. Blanco's specimens were from Mandalayon, near Manila.

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<sup>1</sup>Unknown species are preceded by an asterisk.

- \* **Unona camphorata** Blanco, ed. 1, 486; ed. 2, 326. Reduced by Villar to *Uvaria dulcis* Dunal., a species at present unknown from the Philippines. Certainly, however, a species of *Uvaria*! A tall scandent shrub in forests, the roots said to have the odor of camphor, bearing fruit in December. T., *Taghivalas*; V., *Dalaganum*, *Dalagao*.
- \* **Soala litoralis** Blanco, ed. 1, 437; ed. 2, 304. Reduced by Villar to *Cyathocalyx zeylanicus* Champ., a species that does not extend to the Philippines. Certainly not a species of this genus! Blanco's specimens were from Bauang, Province of Batangas; a weak shrub near the seashore, flowering in July. T., *Soal*.
- Uvaria sinensis** Blanco, ed. 1, 465; **Unona uncinata** Blanco, ed. 2, 324, non DC. Reduced by Villar to *Artabotrys odoratissimus* R. Br., which is certainly correct! T., *Alangilang sonson*.
- Unona corniculata** Blanco, ed. 1, 469; ed. 2, 326. Reduced by Villar to *Artabotrys suaveolens* Blume, which is probably correct. Blanco's specimens were from Arayat, Province of Pampanga; the fruit said to be fragrant and edible. P., *Susong damolag*.
- Unona odoratissima** Blanco, ed. 1, 467; ed. 2, 325 = *Canangium odoratum* (Lam.) Baill.! (*Cananga odorata* Hook. f. et Th.) T., *Alangilang*.
- Unona cabog** Blanco, ed. 1, 466; **Unona odorata**? Blanco, ed. 2, 325. Reduced by Villar to *Unona desmos* Dunal., which is probably correct. T., *Cabog*.
- Unona ossea** Blanco, ed. 1, 467; **Uvaria ossea** Blanco, ed. 2, 322. Reduced by Villar to *Unona discolor* Vahl., which is certainly correct!.
- \* **Macanea arborea** Blanco, ed. 1, 431; **Monodora myristica** Blanco, ed. 2, 300. This species is transferred by Villar to the genus *Monocarpia* under the name *Monocarpia blancoi* F.-Vill. If this is the correct genus Blanco's first name should be taken up. A tree known in Cebu and Batangas, flowering in September. T., *Palo calai*, *Calai*, *Caningay*.
- Unona dehiscens** Blanco, ed. 1, 466; ed. 2, 325 = *Xylopia dehiscens* (Blanco) Merrill, Forest. Bureau Bull. 1:20. 1903. (*Xylopia blancoi* Vidal.) This species was erroneously reduced by Villar to *Anaxagorea luzonensis* A. Gray.
- \* **Uvaria lanotan** Blanco, ed. 1, 464; **Unona latifolia**? Blanco, ed. 2, 324. Reduced by Villar to *Goniiothalamus giganteus* Hook. f. et Th., which can not be correct according to Blanco's description. Possibly a species of *Mitrephora*. A tree flowering in March. T., *Lanotan*.
- Uvaria tripetala** Blanco, ed. 1, 465, non Roxb.; **Unona tripetala** Blanco, ed. 2, 324 = *Phaeanthus cumingii* Miq.! Erroneously reduced by Villar to *Phaeanthus nutans* Hook. f. et Th., a species that does not extend to the Philippines. A tree flowering in August. T., *Lanotang itim*.
- Anona squamosa** Linn., Blanco, ed. 1, 469; ed. 2, 327.! T., *Ates*, *Yates*.
- Anona reticulata** Linn., Blanco, ed. 1, 470; ed. 2, 327.! T., *Anonas*.

**Anona muricata** Linn., Blanco, ed. 2, 326.! T., *Guanabanos*.

\* **Uvaria amuyon** Blanco, ed. 1, 463; **Unona cauliflora** Blanco, ed. 2, 323. Reduced by Villar to *Melodorum fulgens* Hook. f. et Th., but this is certainly an error, as Blanco's species is a tree, while *Melodorum fulgens* is a large woody climber. T., *Amuyon*, *Grano del Parayso*.

### MENISPERMACEÆ.

**Menispermum rimosum** Blanco, ed. 1, 810; ed. 2, 558 non Spreng. = *Tinospora crispa* Miers.! T., *Macabuhay*; V., *Panglavan*, *Panavan*, *Taganagtagua*, *Paliavan*.

**Menispermum cocculus** Linn., Blanco, ed. 1, 809; ed. 2, 557 = *Anamirta cocculus* (Linn.) W. et A.! T., B., P., *Lactang*, *Lictang*, *Suma*, *Lanta*, *Lintang baguin*, *Tuba*, *Balasin*, *Bayati*.

**Cissampelos pareira** Linn., Blanco, ed. 1, 815; ed. 2, 563.! T., *Sansao*, *Sansaosansauan*, *Calacalamayan*, *Batangbatang*, *Cuscusipa*, *Calaad*.

### NYMPHAEACEÆ.

**Nymphaea lotus** Linn., Blanco, ed. 1, 456; ed. 2, 317.! T., B., P., *Lavas*, *Talailo*, *Gavai gabai*, *Tunas*.

**Nymphaea turbinatum** Blanco, ed. 1, 458; **Nelumbium speciosum** Willd., Blanco, ed. 2, 318. The latter name is correct.! T., *Baino*; I., *Sucao*.

### PAPAVERACEÆ.

**Argemone mexicana** Linn., Blanco, ed. 1, 454; ed. 2, 316.! I., *Casubhang aso*.

### CRUCIFEREÆ.

**Cardamine glandulosa** Blanco, ed. 1, 521; **Cardamine impatiens?** Blanco, ed. 2, 363. Referred by Villar to *Nasturtium indicum* DC., which is undoubtedly correct. Blanco's specimens were from Pasig, Province of Rizal, flowering in January.

**Brassica orientalis** Blanco, ed. 1, 519; ed. 2, 361 non Linn. Referred by Villar to *Brassica nigra* Koch., which is probably correct. Blanco's specimens were from Pasig, Province of Rizal, flowering in March.

**Sinapis brassicata** Linn., Blanco, ed. 2, 362. Referred by Villar, and probably correctly so, to *Brassica campestris* Linn. Cultivated.

**Sinapis sinensis** Blanco, ed. 1, 520; **Sinapis juncea** Linn., Blanco, ed. 2, 362. Referred by Villar to *Brassica juncea* Hook. f. et Th., which is probably correct. Sp.-Fil., *Mostaza*.

### CAPPARIDACEÆ.

**Cleome viscosa** Linn., Blanco, ed. 1, 522; **Polanisia viscosa** DC., Blanco, ed. 2, 364. The former name is correct.! T., *Balabalanoyan*, *Apoi-apoyan*.

- Cleome alliacea** Blanco, ed. 1, 522; **Cleome alliodora** Blanco, ed. 2, 363 = *Pedicellaria pentaphylla* (Linn.) Schrank.! (*Gynandropsis pentaphylla* DC.) T., *Balabalanoyan*, *Apoiapoyan*.
- \* **Cleome pentaphylla** Blanco, ed. 1, 523; **Cleome gigantea** Blanco, ed. 2, 364. Reduced by Villar to the American species, *Cleome speciosa* DC. Blanco states that his species was known in Manila under the name of *Araña*. Probably a cultivated species, but Blanco does not state this fact.
- Crataeva religiosa** Forst., Blanco, ed. 1, 399; ed. 2, 279.! I., *Balai namoc*.
- \* **Capparis baducca** Blanco, ed. 1, 438 non Linn.; **Capparis mariana** Jacq., Blanco, ed. 2, 305. The latter name is possibly correct, Blanco's specimens being from Parañaque, near Manila, said to have been introduced from the Marianne Islands. T., *Alcaparras*.
- Crataeva octandra** Blanco, ed. 1, 400; d. 2, 380. Reduced by Villar to *Capparis floribunda* Wall., which may possibly be correct. Blanco's specimens were from Piddig, Province of Ilocos Norte.
- Capparis nemorosa** Blanco, ed. 1, 439; **C. micracantha** Blanco, ed. 2, 305, non DC. Reduced by Villar to *Capparis horrida* Linn. f., which is probably correct. T., *Dauag*. I., *Talactac*.
- \* **Capparis linearis** Blanco, ed. 1, 438; ed. 2, 305. Reduced by Villar to *Capparis viminea* Hook. f. et Th., which is certainly an error; a shrub said by Blanco to be common in forests.
- \* **Capparis odorata** Blanco, ed. 1, 439; ed. 2, 305. A species known only from Blanco's description, and one that Villar makes no attempt to reduce. Blanco's specimens were from Angat, Province of Bulacan.

## BIXACEÆ.

- Bixa orellana** Linn., Blanco, ed. 1, 456; ed. 2, 317.! T., *Achote*.
- Banara racemosa** Blanco, ed. 1, 425; **Flacourtia corollata** Blanco, ed. 2, 559 = *Scolopia crenata* Clos.! Erroneously reduced by Villar to *Scolopia rhinanthra* Clos., a species not known from the Philippines. T., *Pilapil*.
- \* **Banara brevifolia** Blanco, ed. 1, 426; **Flacourtia parviflora** Blanco, ed. 2, 560. Reduced by Villar to *Scolopia dasyanthra* Benn., a species not known from the Philippines. Possibly identical with *Flacourtia ramontchi* L'Herit.
- Miroxylum decline** Blanco, ed. 1, 813; **Stigmarota edulis** Blanco, ed. 2, 560 = *Flacourtia sepiaria* Clos.! T., *Bitonñol*.
- Hydnocarpus polyandra** Blanco, ed. 2, 545 = *Pangium edule* Reinw.! V., *Pangui*.

## PITTOSPORACEÆ.

- Bursaria inermis** Blanco, ed. 2, 124. Possibly identical with *Pittosporum ferrugineum* Ait.

**Aquilaria pentandra** Blanco, ed. 1, 373; **Limonia laureola** Blanco, ed. 2, 251, non DC. = **PITTOSPORUM PENTANDRUM** (Blanco) (*Pittosporum fernandezii*, Vidal, in F.-Vill. Nov. App. 13. 1880; Sinopsis, Atlas, t. 8. f. A. 1883; *Pittosporum brachysepalum* Turcz.! 1854.) Blanco's name is the earliest for this species which is represented by Nos. 500, 1308, 1438, 2804, 2951, and 3177 Merrill. T., *Mamalis*.

### POLYGALACEÆ.

**Polygala monspeliaca** Blanco, ed. 1, 557; ed. 2, 388, non Linn. Reduced by Villar to *Polygala telephioides* Willd., which is probably correct. Blanco's specimens were from Mandoloyon, near Manila.

**Amorpha pedalis** Blanco, ed. 1, 553; ed. 2, 387. Reduced by Villar to *Salomonina oblongifolia* DC., which is probably correct. Blanco's specimens were from Malinta, near Manila, flowering in October.

**Securidaca volubilis** Blanco, ed. 1, 556, non Linn.; **S. ? complicata** Blanco, ed. 2, 388, non H. B. K. Reduced by Villar to *Securidaca tavoyana* Wall., which is certainly an error, as this species does not extend to the Philippines. Probably identical with *Securidaca corymbosa* Turcz. The bark is used as a substitute for soap. T., B., P., *Gogong bisaya*, *Gogong bacay*, *Balago*.

### CARYOPHYLLACEÆ.

**Polycarpon polyphyllum** Blanco, ed. 1, 53; ed. 2, 36. Reduced by Villar to *Polycarpon loeflingiae* Benth. et Hook. f., which is probably correct. Blanco's specimens were from Pasig, Province of Rizal, flowering in February.

### PORTULACACEÆ.

**Portulaca oleracea** Linn., Blanco, ed. 1, 407; ed. 2, 284.! T., *Olasiman*, *Colasiman*; B., *Ausiman*.

**Portulaca meridiana** Linn. f., Blanco, ed. 1, 408; ed. 2, 285 = *Portulaca quadrifida* Linn.! T., *Sayican*.

### ELATINEACÆ.

**Tillaea rubella** Blanco, ed. 1, 75; ed. 2, 56. Reduced by Villar to *Bergia ammannioides* Roxb., which is probably correct. Blanco's specimens were from Pasig, Province of Rizal.

**Bergia serrata** Blanco, ed. 1, 387; **Spergula serrata** Blanco, ed. 2, 271. Reduced by Villar to *Bergia verticillata* Willd., which is probably correct.

### HYPERICACEÆ.

**Hypericum olympicum** Blanco, ed. 1, 613; ed. 2, 429, non Linn. = *Cratoxylon blancoi* Blume.! Erroneously reduced by Villar to *Cratoxylon polyanthum* Korth. T., *Guyong guyong*.



**Hypericum aegyptium** Blanco, ed. 1, 615; ed. 2, 430, non Linn. Reduced by Villar to *Cratoxylon formosum* Dyer, which is probably correct. Blanco's specimens were from Angat, Province of Bulacan, a tree flowering in August.

## GUTTIFERÆ.

**Cambogia binucao** Blanco, ed. 1, 434; ed. 2, 302 = *Garcinia binucao* (Blanco) Choisy.! Erroneously reduced by Villar to *Garcinia cornea* Desrouss. T., *Binucao*; V., *Bagobago*.

**Cambogia venulosa** Blanco, ed. 1, 435; ed. 2, 302 = *Garcinia venulosa* (Blanco) Choisy.! Erroneously reduced by Villar to *Garcinia cornea* Linn., a species that does not extend to the Philippines. A tree flowering in August. T., *Taclang anac*.

\* **Stalagmites ? cambogioides** Blanco, ed. 2, 301, non Murr. Certainly a species of *Garcinia*! This species is not mentioned by Villar in the Novissima Appendix. Blanco's specimens were from Bauang, Province of Batangas, a tree flowering in August. T., *Banago*.

\* **Cambogia crassifolia** Blanco, ed. 2, 304. Reduced by Villar to *Garcinia cowa* Roxb., which is undoubtedly an error. Blanco's specimens were from Cebu. V., *Sagudan*.

\* **Tovomita pentapetala** Blanco, ed. 1, 432; ed. 2, 301. This species was transferred by Villar to *Ochrocarpus*, as a distinct species, *Ochrocarpus pentapetalus* (Blanco) F.-Vill. It is, however, known only from Blanco's description. A tree flowering in December, growing along the seashore in the Provinces of Ilocos Norte and Ilocos Sur. I., *Darigayos*, *Pamitlain*, *Pamitlatin*.

\* **Willughbeia multilocularis** Blanco, ed. 1, 131; ed. 2, 94. This species was first referred by Villar to the *Apocinacæ*, but in the Addenda et Corrigenda he refers it to *Garcinia ovalifolia* var. *spicata* Hook. f. et Th. Possibly correct as to the genus, but certainly not this species. A tree flowering in August. T., *Malabatoan*.

**Calophyllum inophyllum** Linn., Blanco, ed. 1, 612; ed. 2, 428.! T., *Palo maria*, *Bitanhol*, *Tamauian*, *Dincalan*, *Dincalan*; B., *Dincalan*, *Bitag*; P., *Bitag*, *Palo maria*; I., *Bitag*.

\* **Calophyllum apetalum** Blanco, ed. 2, 429, non Willd. Reduced by Villar to *Calophyllum pulcherrimum* Wall., a species that does not extend to the Philippines. Possibly identical with *Calophyllum spectabile* Willd. Blanco's specimens were from Angat, Province of Bulacan. T., *Malabocboc*.

**Plinia paniculata** Blanco, ed. 1, 423; ed. 2, 296 = *Kayea paniculata* (Blanco) Merrill, Govt. Lab. Publ. 17:29. 1904. Erroneously reduced by Villar to *Kayea racemosa* Pl. et Tr., a species that does not extend to the Philippines. T., *Guisan*.

## TERNSTROEMIACEÆ.

- Guettarda vermicularis** Blanco, ed. 1, 723; ed. 2, 500. Reduced by Villar to *Anneslea fragrans* Wall., a species that does not extend to the Philippines. Probably identical with *Anneslea crassipes* Hook. Blanco's specimens were from the seashore, Bauang, Province of Batangas; a shrub, flowering in October. T., *Malatibig*.
- Llanosia toquian** Blanco, ed. 2, 319 = TAONABO TOQUIAN (Blanco) (*Ternstroemia toquian* F.-Vill.!) This species is certainly represented by Nos. 2288 and 3206 Merrill; 150, 137, and 208 Forestry Bureau, collected by Barnes, and No. 57 Ahern, Blanco's description in some respects being erroneous. Gilg, in Engler und Prantl, *Natürlichen Pflanzenfamilien* retains *Llanosia* as an imperfectly known genus of the *Dilleniaceæ*. T., *Toquian*.
- \* **Camellia sasanqua** Blanco, ed. 2, 371 non Thunb. This species is reduced by Villar to *Camellia drupifera* Lour., but this identification is very doubtful. Blanco's specimens were from a plant cultivated in Manila.
- Salceda montana** Blanco, ed. 2, 374 = THEA MONTANA (Blanco) (*Camellia lanceolata* F.-Vill., non Seem.). Nos. 304, 441 Whitford; Nos. 1905, 2778, 2402 Forestry Bureau. Blanco's specimens were from Angat, Province of Bulacan.
- \* **Helianthemum triflorum** Blanco, ed. 2, 309. Reduced by Villar to *Archytaea vahlii* Choisy, which is undoubtedly an error. Blanco's specimens were from Angat, Province of Bulacan; flowering in February. T., *Iring*.

## DIPTEROCARPACEÆ.

- Mocanera mayapis** Blanco, ed. 1, 449; **Dipterocarpus mayapis** Blanco, ed. 2, 313 = *Anisoptera vidaliana* Brandis?; *Dipterocarpus turbinatus* F.-Vill., non Gaertn.! Blanco's species is probably identical with *Anisoptera vidaliana* Brandis, although Blanco describes the petioles as short. This is apparently one of the most common species of *Dipterocarpaceæ* in Luzon, and is universally known to the Tagalogs as *Mayapis*, the name cited by Blanco. Blanco's specimens were from the mountains near Angat, Province of Bulacan. T., *Mayapis*.
- Mocanera verniciflua** Blanco, ed. 1, 540; **Dipterocarpus vernicifluus** Blanco, ed. 2, 314. The latter name is the correct one, *Dipterocarpus velutinus* Vidal being certainly a synonym. Erroneously referred by Villar to *Dipterocarpus hispidus* Thwaites. T., *Panao, Balao, Malapao*.
- Mocanera grandiflora** Blanco, ed. 1, 451; **Dipterocarpus grandiflorus** Blanco, ed. 2, 314.! The latter name is correct. Erroneously referred by Villar to *Dipterocarpus griffithii* Miq., a species that does not extend to the Philippines. T., *Apiton, Hapiton*.

**Mocanera thurifera** Blanco, ed. 1, 446; **Dipterocarpus thurifer** Blanco, ed. 2, 310 = *Anisoptera thurifera* (Blanco) Blume.! T., *Sandana, Lauan*; B., *Lauaan*.

\* **Vatica sinensis** Blanco, ed. 1, 401; ed. 2, 280, non Gmel. Reduced by Villar to *Vatica grandiflora* Dyer, but this species does not extend to the Philippines. Said by Blanco to be closely related to *Vatica mangachapoi*, and probably only a form of that species. Blanco's specimens were from San Mateo, Province of Rizal.

**Vatica mangachapoi** Blanco, ed. 1, 401; **Vatica apteranthra** Blanco, ed. 2, 281. Erroneously reduced by Villar to *Vatica scaphula* Dyer, a species that does not extend to the Philippines. The first name is the correct one. T., *Mangachapoi*.

**Mocanera polysperma** Blanco, ed. 1, 448; **Dipterocarpus polyspermus** Blanco, ed. 2, 312 = *SHOREA POLYSPERMA* (Blanco). Erroneously referred by Villar to *Shorea talura* Roxb., a species that does not extend to the Philippines. This distinct species is represented by Nos. 606, 734, 787, and 819 Forestry Bureau. T., *Tangili*.

\* **Dipterocarpus palosapis** Blanco, ed. 2, 312. Erroneously referred by Villar to *Shorea floribunda* Kurz, a species that does not extend to the Philippines. Probably a *Shorea*, but known only from Blanco's description. T., *Palosapis*.

**Mocanera malaanonan** Blanco, ed. 1, 858; **Dipterocarpus malaanonan** Blanco, ed. 2, 312 = *Shorea malaanonan* (Blanco) Blume. Probably a distinct species, but not well-known. Blanco's specimens were from Angat, Province of Bulacan. T., *Malaanonan*.

\* **Euphoria malaanonan** Blanco, ed. 1, 289; **Euphoria? nephelium?** Blanco, ed. 2, 200. Reduced by Villar to *Shorea robusta* Gaertn. f., which is certainly an error, at least as to the species, possibly identical with the preceding species. Blanco's specimens were from Angat, Province of Bulacan, his material being very imperfect. T., *Malaanonan*.

**Mocanera guiso** Blanco, ed. 1, 449; **Dipterocarpus guiso** Blanco, ed. 2, 313 = *Shorea guiso* (Blanco) Blume.! Erroneously reduced by Villar to *Shorea robusta* Gaertn. f., a species that does not extend to the Philippines. T., *Guiso, Guijo*.

**Mocanera plagata** Blanco, ed. 1, 447; **Dipterocarpus plagatus** Blanco, ed. 2, 311 = *Hopea plagata* (Blanco) Vidal.! Erroneously referred by Villar to *Shorea reticulata* Thwaites, an extra-Philippine species. T., *Yacal, Sapolongan*.

\* **Mocanera mangachapoi** Blanco, ed. 1, 450; **Dipterocarpus mangachapoi** Blanco, ed. 2, 313 = *Shorea mangachapoi* (Blanco) Blume.! This species is known only from Blanco's description, and should not be confused with *Vatica mangachapoi* Blanco. Blanco's specimens were from Angat, Province of Bulacan, and from San Mateo, Province of Rizal. T., *Guisong dilao, Mangachapoi*.

## MALVACEÆ.

- Althaea sinensis** Blanco, ed. 1, 552, non Cav.; **A. rosea** Cav., Blanco, ed. 2, 386.! The latter name is correct.
- Malva coromandelina** Blanco, ed. 2, 551, non Cav.; **Malva luzonica** Blanco, ed. 2, 385 = *Malvastrum tricuspidatum* A. Gray.! T., *Quinalumpang*.
- Sida lanceolata** Roxb., Blanco, ed. 1, 548; **Sida frutescens** Blanco, ed. 2, 384, non Cav. = *Sida carpinifolia* Linn.! T., V., P., *Ualualisan*, *Escobang haba*, *Pamalis*, *Higot balato*, *Mamalis*. I., *Taquiring baca*.
- Sida truncatula** Blanco, ed. 1, 548; **Sida philippica** DC., Blanco, ed. 2, 283 = *Sida rhombifolia* Linn. var.! T., *Escobang bilog*.
- Sida semicrenata** Link., Blanco, ed. 2, 384 = *Sida rhombifolia* Linn. var.!
- Sida indica** Linn., Blanco, ed. 1, 547; ed. 2, 283 = *Abutilon indicum* (Linn.) G. Don.! T., *Cuacuacohan*, *Guling gulingan*, *Tabing*, *Malis*, *Dalupang*, *Palis*, *Malvas de Castilla*.
- Napea latifolia** Blanco, ed. 2, 387 = *Malachra capitata* Linn.!
- Napea scabra** Blanco, ed. 1, 553; ed. 2, 386, non Linn. This is *Malachra lineariloba* Turcz.!, erroneously reduced by Villar to *Malachra bracteata* Cav., an American species. T., *Lapnis na bolohan*, *Anabo*. V., *Vocabul*.
- Urena multifida** Blanco, ed. 1, 540; ed. 2, 378, non Cav. = *Urena lobata* Linn.! T., V., P., *Colotan*, *Colotcolotan*, *Molopolo*, *Dalupan*.
- \* **Hibiscus batacensis** Blanco, ed. 1, 544; ed. 2, 380. Reduced by Villar to *Kosteletzyka*, as a distinct species *K. batacensis* (Blanco) F.-Vill. A species known only from Blanco's description, whose specimens were from the town of Batac, Province of Ilocos Norte.
- Hibiscus bifurcatus** Blanco, ed. 1, 545; ed. 2, 380 = *Hibiscus surratensis* Linn.!
- Hibiscus abelmoschus** Linn., Blanco, ed. 1, 545; ed. 2, 380.! T., *Castoli*, *Castiociogan*, *Dalupan*. V., *Maricum Ducum*, *Marucum*, *Maropoto*, *Sapinit*. P., *Castiociotolan*.
- Hibiscus tiliaceus** Linn., Blanco, ed. 1, 541; ed. 2, 379.! T., P., *Balibago*. V., *Malibago*, *Raguindi*.
- Hibiscus rosa-sinensis** Linn., Blanco, ed. 1, 543; ed. 2, 379.! T., V., P., *Tacurangan*, *Arogangan*, *Antolangan*, *Cayanga*, *Tapolanga*, *Tarocanga*, *Gomamila*. I., *Cayanga rosa*.
- Hibiscus mutabilis** Linn., Blanco, ed. 1, 546; ed. 2, 381.!
- Thespesia sublobata** Blanco, ed. 2, 382 = *Thespesia lampas* D. et G.!
- Hibiscus populneus** Linn., Blanco, ed. 1, 544; **Thespesia populnea** (Linn.) Corr., Blanco, ed. 2, 381. The latter name is correct.! T., *Boboi gubat*.
- Thespesia banalo** Blanco, ed. 2, 382 = *Thespesia macrophylla* Blume.! T., *Banalo*, P., *Banaro*, V., *Banago*.

- Gossypium herbaceum** Linn., Blanco, ed. 1, 534; ed. 2, 374; **G. religiosum** L., Blanco, ed. 2, 374. T., *Bulac*.
- Gossypium paniculatum** Blanco, ed. 1, 539; ed. 2, 378 = *Gossypium barbadense* Linn. var.! I., *Capas*.
- Gossypium perenne** Blanco, ed. 1, 537; ed. 2, 376 = *Gossypium arboreum* Linn.! T., *Bulac na monti*, *Bulac na totoo*, *Bulac cahoy*.
- Melaleuca grandiflora** Blanco, ed. 1, 615; **Bombax ceiba** Linn., Blanco, ed. 2, 372. The latter name is correct.! T., *Taglinao*, *Malabulac*.
- Bombax pentandrum** Linn., Blanco, ed. 1, 531; ed. 2, 371 = *Ceiba pentandra* (Linn.) Gaertn.! (*Eriodendron anfractuosum* DC.) T., *Boboi*, V., *Doldol*, P., *Bulac castila*.

### STERCULIACEÆ.

- Sterculia foetida** Linn., Blanco, ed. 1, 763; ed. 2, 524.! T., *Calumpang*, I., *Bangar*.
- Sterculia cordifolia** Blanco, ed. 1, 764; ed. 2, 525, non Cav. = *Sterculia philippinensis* Merrill, Govt. Lab. Publ. 17: 29. 1904. Erroneously reduced by Villar to *Sterculia urens* Roxb., a species that does not extend to the Philippines. T., *Banilad*, *Banilar*.
- Sterculia balanghas** Blanco, ed. 1, 765; ed. 2, 525, non Linn. Reduced by Villar to *Sterculia rubiginosa* Vent., a species that does not extend to the Philippines. Apparently the same as *Sterculia cuneata* R. Br. T., *Nato*, *Malabunot*.
- Sterculia alata** Blanco, ed. 2, 525, non Roxb. = *Sterculia blancoi* Rolfe.! Villar erroneously considered that Blanco's species was identical with that of Roxburgh.
- Heritiera tinctoria** Blanco, ed. 1, 653; ed. 2, 456 = *PTEROCYMBIUM TINCTORIUM* (Blanco) (*Pterocymbium javanicum* R. Br.; *Sterculia campanulata* Wall.) Blanco's name is the earliest one published for this species and should be retained. T., *Taloto*, V., *Duha?*, *Busain*.
- \* **Sterculia glandulosa** Blanco, ed. 1, 764. This species is known only from Blanco's short and imperfect description, and is excluded from the second edition. No locality or native name is given.
- \* **Sterculia glomerata** Blanco, ed. 1, 764; ed. 2, 525. This species is quite unknown, but is probably a species of *Myristica* as suggested by Villar. A tree having a red gum. T., *Hindurugu*.
- \* **Sterculia decandra** Blanco, ed. 1, 766; ed. 2, 526. This species is probably also a *Myristica* as suggested by Villar. Blanco's specimens were from Balanga, Province of Bataan, a large tree, the wood having a foetid odor. T., *Banabanalo*.
- Helicteres apetala** Blanco, ed. 1, 383; **Sterculia cymbiformis** Blanco, ed. 2, 526 = *Heritiera littoralis* Dry.! T., *Dongon*, I., *Paronapin*.
- Kleinhovia hospita** Linn., Blanco, ed. 1, 652; ed. 2, 455.! T., B., *Tanag*, B., *Hamitanag*, P., *Panampat*, I., *Bitnong*.

- Dombeya decandra** Blanco, ed. 1, 349; **Dombeya biserrata** Blanco, ed. 2, 244 = *Helicteres spicata* Coleb.! T., *Dangling aso*, *Buntot usa*, I., *Baquinbaquit*.
- Mimusops talosan** Blanco, ed. 1, 284; ed. 2, 198. Reduced by Villar to a variety (*lanigera*) of the preceding and certainly only a form of the species.! Blanco's specimens were from Malinta, near Manila, a shrub flowering in September. T., *Talosan*.
- Pterospermum hastatum** Blanco, ed. 1, 526; ed. 2, 367 = *Pterospermum diversifolium* Blume.! T., *Bayog*.
- Pterospermum obliquum** Blanco, ed. 1, 529; **Pterospermum semisagittatum** Blanco, ed. 2, 368, non Buch.-Ham. A good species, the first name being the correct one.! Erroneously reduced by Villar to *Pterospermum rubiginosum* Hiern, a species that does not extend to the Philippines. T., *Calocatingan*.
- Pentapetes coccinea** Blanco, ed. 1, 529; **Pentapetes cebuana** Blanco, ed. 2, 369 = *Pentapetes phoenicea* Linn.!
- Melochia supina** Linn., Blanco, ed. 1, 524; ed. 2, 365 = *Melochia corchorifolia* Linn.!
- Geruma subtrilobata** Blanco, ed. 1, 182; ed. 2, 130 = the preceding species!
- Melochia arborea** Blanco, ed. 1, 524; ed. 2, 130 = *Melochia indica* (Houtt.) A. Gray.! (*Melochia velutina* Bedd.)
- Hypericum pentandrum** Blanco, ed. 1, 616; ed. 2, 430 = the preceding species!
- Waltheria americana** Linn., Blanco, ed. 1, 523; ed. 2, 364.! (*Waltheria indica* Linn.)
- Abroma communis** Blanco, ed. 1, 606; ed. 2, 160 = *Abroma augusta* Linn.!
- Abroma alata** Blanco, ed. 1, 605; ed. 2, 422 = the preceding species! This species is retained by Villar as distinct, but is certainly only a form of *Abroma augusta* Linn.! T., *Anibong*, *Anibiong*, V., *Nabo*, *Labon*, *Anabon*.
- Theobroma cacao** Linn., Blanco, ed. 1, 601; ed. 2, 419!
- Commersonia echinata** Blanco, ed. 2, 160 = *Commersonia platyphylla* Andr.!

### TILIACEÆ.

- \* **Triopteris poliandra** Blanco, ed. 1, 380; ed. 2, 268. Reduced by Villar to *Berrya ammonilla* Roxb., which is certainly an error, as Blanco's description does not apply to that species. Blanco's specimens were from Angat, Province of Bulacan, and from Malinta, near Manila, a shrub, flowering in July. T., *Pacpacbalang*.

- \* **Grewia serrata** Blanco, ed. 1, 444; **Columbia serratifolia** Blanco, ed. 2, 427, non DC. Reduced by Villar to *Grewia columnaris* Sm., a species not known from the Philippines. Possibly the same as *Grewia multiflora* Juss. Blanco's specimens were from the Tala Mountains, Province of Rizal or Bulacan.
- Malloccoca crenata** Blanco, ed. 1, 442; **Grewia multiflora**? Blanco, ed. 2, 309. Reduced by Villar to *Grewia umbellata* Roxb., which is certainly correct.
- Malloccoca parva** Blanco, ed. 1, 443; **Grewia malloccoca**, Blanco, ed. 2, 310 = *Grewia multiflora* Juss.! T., *Danglin*.
- Columbia anilao** Blanco, ed. 1, 554; ed. 2, 426 = *Colona serratifolia* Cav.! Erroneously retained by Villar as a distinct species. T., *Anilao*.
- Triumfetta semitriloba** Linn., Blanco, ed. 1, 406; ed. 2, 283.! T., *Colotan bilog*.
- Corchorus capsularis** Linn., Blanco, ed. 1, 442; ed. 2, 308.! T., *Pasao na bilog*.
- Corchorus catharticus** Blanco, ed. 1, 442; **Corchorus olitorius** Linn., Blanco, ed. 2, 308. The latter name is correct.! T., *Salayong*.
- Corchorus aestuans** Blanco, ed. 1, 441; **Corchorus acutangulus** Linn., Blanco, ed. 2, 308. The latter name is correct.! T., *Pasao na haba*.
- \* **Vallea calomala** Blanco, ed. 1, 439; **Ageratium calomala** Blanco, ed. 2, 306. Reduced by Villar to *Elaeocarpus lancaefolius* Roxb., a species that does not extend to the Philippines, certainly, however, correct as to the genus. Blanco's specimens were from the Province of Batangas, flowering in August. T., *Calomala*.
- \* **Elaeocarpus sylvestris** Blanco, ed. 2, 306. This species is reduced by Villar to *Elaeocarpus oblongus* Gaertn., but Blanco's description scarcely applies to this species. Blanco's specimens were from Cebu. V., *Cabilte, Cabalte*.

### MALPHIGIACEÆ.

- Hiraea reclinata** Blanco, ed. 1, 378, non Jacq.; **Tristillateia malintana** Blanco, ed. 2, 267 = *Tristillateia australasiaca* A. Rich.!
- Triopteris jamaicensis** Blanco, ed. 1, 379; ed. 2, 207, non Linn. = *Hiptage madablota* Gaertn.! V., *Comimpol*.

### ZYGOPHYLLACEÆ.

- Tribulus lanuginosus** Blanco, ed. 1, 350; ed. 2, 245, non Linn. = *Tribulus cistoides* Linn.!

### GERANIACEÆ.

- Malva moschata** Blanco, ed. 1, 551; ed. 2, 385, non Linn. A cultivated species, reduced by Villar to *Pelargonium odoratissimum* Ait., which is probably correct. Sp.-Fil., *Malva rosa*.

- Oxalis acetosella** Blanco, ed. 1, 388; ed. 2, 272, non Linn. = *Oxalis corniculata* Linn.! T., *Tangain daga*, *Susocoyoli*. B., *Daraisig*. P., *Malabalugbug daguis*, *Ayo*, *Cun̄gi*, *Yayo*.
- Oxalis sensitiva** Linn., Blanco, ed. 1, 399; **Biophytum sensitivum** DC., Blanco, ed. 2, 272. The last name is correct. T., *Macahiya*, *Damonghiya*, I., *Mahahiin*.
- Averrhoa carambola** Linn., Blanco, ed. 1, 391; ed. 2, 274.! T., *Balimbin*, *Bilimbin*.
- Averrhoa bilimbi** Linn., Blanco, ed. 1, 392; ed. 2, 273.! T., *Calamias*, *Camias*, B., *Quilingiva*, I., *Pias*.
- \* **Averrhoa pentandra** Blanco, ed. 1, 392; ed. 2, 274. Reduced by Villar to *Connaropsis* as a distinct species, *Connaropsis philippica* F-Vill. If correctly referred, Blanco's specific name should be retained. Blanco's specimens were from Malinta, near Manila, flowering in October.
- Impatiens triflora** Blanco, ed. 1, 636; ed. 2, 443, non Willd. = *Impatiens balsamina* Linn.! T., P., *Camantigui*. V., *Suranga*, *Solanga*.

## RUTACEÆ.

- Cissus frutescens** Blanco, ed. 1, 70; **Cissus arborea** Blanco, ed. 2, 51. Reduced by Villar to *Evodia roxburghiana* Benth., which is probably correct. Blanco's specimens were from the Province of Batangas, and from Malinta, near Manila. T., *Matang diablo*.
- Melicope tetrandra** Blanco, ed. 1, 293, non Roxb.; **Evodia triphylla** DC., Blanco, ed. 2, 50. The last name is correct.
- Evodia bintoco** Blanco, ed. 2, 50. Referred by Villar to *Evodia latifolia* DC., which is probably correct. Blanco's specimens were from Bohol and Samar, flowering in October. V., *Bintoco*, *Tancapan*.
- \* **Orixa ternata** Blanco, ed. 1, 62; ed. 2, 45. Reduced by Villar to *Evodia robusta* Hook. f., a species that is unknown from the Philippines, probably, however, correct as to the genus. A shrub flowering in July.
- \* **Fagara octandra** Blanco, ed. 1, 67; ed. 2, 47. Reduced by Villar to *Melicope ternata* Forst., a species that certainly does not extend to the Philippines. Blanco's specimens were from San Mateo, Province of Rizal, flowering in June. T., *Matang arao*.
- \* **Fagara piperita** Blanco, ed. 1, 64; ed. 2, 47, non Linn. Reduced by Villar to *Zanthoxylum oxyphyllum* Edgw., a species that certainly does not extend to the Philippines. Correct as to the genus and probably identical with *Zanthoxylum piperatum* DC. T., *Cayutana*.
- Fagara pterota** Blanco, ed. 1, 66; ed. 2, 47, non Linn. Referred by Villar to *Zanthoxylum avicennæ* DC., which is probably correct. P., T., *Cayutana*, V., *Salay marbar*, *Baga tambal*, P., *Salay cangay*.
- Lunasia amara** Blanco, ed. 1, 783; **Pilocarpus amara** Blanco, ed. 2, 540. The first name is correct, the type of the genus *Lunasia*, one of the few valid genera established by Blanco. T., *Lunas*.



- \* **Berbera compressa** Blanco, ed. 1, 360; ed. 2, 254. Reduced by Villar to *Clausena willdenovii* W. et A., a species that does not extend to the Philippines. Probably, however, correct as to the genus. A small tree flowering in August. T., *Paris*.
- \* **Berbera inodora** Blanco, ed. 1, 361; **Berbera koenigii** Blanco, ed. 2, 254, non Linn. Reduced by Villar to *Clausena indica* Oliv., a species that does not extend to the Philippines, probably, however, correct as to the genus. Blanco's specimens were from Malinta, near Manila.
- Limonia linearis** Blanco, ed. 1, 357; **Limonia monophylla** Linn., Blanco, ed. 2, 252 = *Atalantia monophylla* (Linn.) Correa. ? T., *Dayap na monti*.
- Limonia disticha** Blanco, ed. 1, 356; **Limonia corymbosa** Blanco, ed. 2, 251 = *ATALANTIA DISTICHA* (Blanco) (*Atalantia nitida* Oliv., Journ. Linn. Soc. 5, Suppl. 2:25. 1861.) Blanco's name is the oldest for this species and should be retained. Erroneously referred by Villar to *Atalantia racemosa* W. et A., a species that does not extend to the Philippines. T., *Malarayap*.
- Limonia trifoliata** Linn., Blanco, ed. 1, 357; ed. 2, 252 = *Triphasia trifoliata* (Linn.) DC.! T., *Limoncitos*.
- Melicope conferta** Blanco, ed. 2, 205. Reduced by Villar to *Acronychia laurifolia* Blume, which is probably correct.
- Murraya cerassiformis** Blanco, ed. 1, 363; **Murraya exotica** Blanco, ed. 2, 255, non Linn. = *Glycosmis pentaphylla* Correa.! T., *Guinguen*.
- Murraya lobata** Blanco, ed. 1, 363; ed. 2, 256. Reduced by Villar to a variety of *Glycosmis pentaphylla* Correa, which is certainly correct.
- \* **Berbera ternata** Blanco, ed. 1, 360; ed. 2, 254. Reduced by Villar to *Glycosmis bilocularis* Thwaites, a species that does not extend to the Philippines. Probably correct as to the genus, and a form of *Glycosmis pentaphylla* Correa. Blanco's specimens were from Tala, Province of Rizal or Bulacan, a shrub with fragrant fruits. T., *Malamolavin*.
- Andromeda japonica** Blanco, ed. 1, 371; ed. 2, 261, non Thunb. = *Micromelum tephrocarpum* Turcz.! Erroneously referred by Villar to *Micromelum glabrescens* Benth., a species that does not extend to the Philippines. T., *Tulibas*.
- Connarus foetens** Blanco, ed. 1, 525; **Connarus santaloides** Blanco, ed. 2, 366 = *Murraya exotica* Linn.! T., *Camuning, Molavin. V., P., Camunin, Banati*.
- Cookia anisum olens** Blanco, ed. 1, 359; **Cookia anisodora** Blanco, ed. 2, 253 = *Clausena anisum olens* (Blanco) Merrill, Govt. Lab. 17: 21. 1904. T., *Maisipaisi, Calomata, Camanguianis*.
- Cookia wampi** Blanco, ed. 1, 358; ed. 2, 253 = *Clausena wampi* (Blanco) Oliver.! T., *Huampit*.
- Citrus notissima** Blanco, ed. 607; ed. 2, 424. Reduced by Villar to *Citrus medica* Linn., var. *acida* Hook. f., which may be correct. T., *Dayap. Sp.-Fil., Limoncito*.

- \* **Citrus mitis** Blanco, ed. 1, 610; ed. 2, 426. Reduced by Villar to *Citrus medica* Linn., var. *limetta* Hook. f., but Blanco's description does not apply to this variety. A small spineless shrub. T., *Aldonises*, *Calamondin*.
- Citrus reticulata** Blanco, ed. 1, 610; ed. 2, 424 = *Citrus aurantium* Linn.! T., *Sintonis*. Sp.-Fil., *Narangitas*.
- Citrus aurantium** Blanco, ed. 1, 609; ed. 2, 425, non Linn. Reduced by Villar to *Citrus aurantium* Linn., var. *bigrardia* Hook. f., but Blanco's description does not agree with that of this variety. A form or variety of *Citrus aurantium* Linn.! T., *Dalandan*, *Cahil*.
- Citrus papillaris** Blanco, ed. 1, 610; ed. 2, 425. Reduced by Villar to *Citrus aurantium* Linn., var. *bergamina* Hook. f., which is certainly an error. Certainly a form or variety of *Citrus aurantium* Linn.! T., *Pisong*.
- Citrus torosa** Blanco, ed. 1, 609; ed. 2, 425. Reduced by Villar to *Citrus hystrix* DC., which is probably correct. T., *Suya*, *Colobot*.
- Citrus decumana** Linn., Blanco, ed. 1, 606; ed. 2, 424.! T., *Lucban*, *Suha*.
- Murraya odorata** Blanco, ed. 2, 256. Reduced by Villar to *Feronia elephantum* Correa, which is probably correct. Blanco's specimens were from Angat, Province of Bulacan, flowering in February.
- Limonia glutinosa** Blanco, ed. 1, 358; **Feronia ternata** Blanco, ed. 2, 252 = *Aegle glutinosa* (Blanco) Merrill, Govt. Lab. 6: 12. 1904. (*Aegle decandra* Naves.) T., *Malacabuyao*. P., T., *Tabog*.

### SIMARUBACEÆ.

- Manungala pendula** Blanco, ed. 1, 306; **Niota tetrapetala** Lam., Blanco, ed. 2, 213 = *Samadera indica* Gaertn.! T., V., P., B., *Manungal* V., *Linatong anac*, *Linton gamai*, *Palagium*, *Palagarium*, *Ponoan*, *Mavindato*, *Daraput*.
- Paliurus perforatus** Blanco, ed. 1, 174; ed. 2, 122 = *Harrisonia brownii* A. Juss.! T., *Asimao*.
- Paliurus dubius** Blanco, ed. 1, 175; ed. 2, 122. Reduced by Villar to *Harrisonia bennettii* Hook. f., var. *multijuga* F.-Vill. Probably identical with *H. bennettii* Hook. f. T., *Laiya*.
- Ailanthus pongelion** Blanco, ed. 1, 380; ed. 2, 268. Reduced by Villar to *Ailanthus malabarica* DC., which is certainly correct.! T., *Macaissa*, *Balocas*.

### OCHNACEÆ.

- Ochna fascicularis** Blanco, ed. 2, 246.! A good species. Erroneously reduced by Villar to *Brackenridgea*. T., *Aniatan*.

## BURSERACEÆ.

- Guaiacum abilo** Blanco, ed. 1, 364; **Icica abilo** Blanco, ed. 2, 256 = *Garuga floribunda* Decne.! Villar reduces the species as described in the first edition to *Garuga pinnata* Roxb., and the species as described in the second edition to *Garuga floribunda* Decne., although Blanco's descriptions manifestly apply to the same species. T., *Abilo*.
- Canarium album** Blanco, ed. 1, 793; ed. 2, 546, non Raeusch = *Canarium luzonicum* Miq.! (*Canarium carapifolium* Perk.) Erroneously reduced by Villar to *Canarium commune* Linn., a closely related species. The source of Manila Elemi.! T., *Pisa*, *Pilani*. I., *Anten*.
- Canarium commune** Blanco, ed. 1, 791, non Linn.; **Canarium pimela** Blanco, ed. 2, 545, non Koen. = *Canarium villosum* (Miq.) F.-Vill. (*Canariopsis villosa* Miq.; *Canarium cumingii* Engler.!) P., *Palsahinhin*, *Anagatli*, *Anagalti*. I., *Anten*.
- Boswellia ? obliqua** Blanco, ed. 2, 243 (err. typ., *oblicua*) = *Ganophyllum obliquum* (Blanco) (*Ganophyllum falcatum* Blume.!) Blanco's name is the earliest one published for this species and should be retained. It is described in the first edition under the native name only, *Pandapanda*.
- \* **Boswellia ? integra** Blanco, ed. 2, 242. Referred by Villar to *Protium javanicum* Burm., but as no species of this genus is at present known from the Philippines Villar's identification must be considered doubtful. This species is described in the first edition under the native name *Calamansalai*. Blanco's specimens were from the mountains near San Mateo, Province of Rizal, a tree fruiting in June. T., *Polyagan*.

## MELIACEÆ.

- Plagianthus humilis** Blanco, ed. 1, 526; ed. 2, 366 = *Turraea humilis* (Blanco) (*Turraea pumila* Benn. Pl. Jav. Rar. 183. 1840.) Blanco's name is the earliest for this species and should be retained.
- Melia azedarach** Blanco, ed. 1, 345, non Linn.; **Melia composita** Blanco, ed. 2, 241, non Willd. = *Melia candollei* Juss.! Erroneously reduced by Villar to *Melia dubia* Cav., a species that does not extend to the Philippines. T., *Malongain*.
- Turraea decandra** Blanco, ed. 1, 347; **Turraea virens** Blanco, ed. 2, 243, non Linn. = *Dysoxylon decandrum* (Blanco) (*Dysoxylon blancoi* Vidal, Cat. Pl. Prov. Manila, 22; Sinopsis, Atlas, t. 39. f. A.; *D. salutare* F.-Vill.; *D. amooroides* Miq.) DeCandolle<sup>1</sup> retains Blanco's *Turraea virens* and *T. decandra* as distinct, uncertain species, but it is evident, however, that the two descriptions apply to the same species, as noted by Villar. This species is represented by Nos. 141, 2140, 2758, and 2776 Merrill, the two former numbers having been identified by Perkins<sup>2</sup> as *Dysoxylon amooroides* Miq. P., *Iguiu*, *Agiu*, *Taclitan*, *Malabangao*. B., *Ananangtang*, *Mananantang*, *Bacugan*, *Mocasisi*, *Bingliu*, *Palohambobocag*, *Bolong tambal*. I., *Pasiloag*.

<sup>1</sup> Monog. Phan. 1: 749.<sup>2</sup> Frag. Fl. Filip. 31. 1904.

- Trichilia pentandra** Blanco, ed. 1., 355; ed. 2, 249. = **CHISOCHETON PENTANDRUM** (Blanco) (*C. philippinum* Harms; *C. ceramicus* F.-Vill., non Miq.) T., *Salaqui*, *Agapanga*.
- \* **Turraea octandra** Blanco, ed. 1, 349; ed. 2, 244. Reduced by Villar to *Dysoxylon schizochitode* (Turcz.) DC., which may possibly be correct, in which case Blanco's name should be retained. A tree flowering in August. T., *Himamao*.
- Sandoricum ternatum** Blanco, ed. 1, 346; **Sandoricum indicum** Cav., Blanco, ed. 2, 242. The last name is correct.! T., *Santol*.
- \* **Trichilia tripetala** Blanco, ed. 1, 354; ed. 2, 248. Reduced by Villar to *Amoora rohataka* W. et A., a species not known from the Philippines. Probably correct as to the genus although excluded from the *Meliaceae* by DeCandolle.
- Lansium domesticum** Jack, Blanco, ed. 2, 228.! This species is described in the first edition under the native name *Lansones*. T., *Lansone*. V., *Bulahan*, *Boocan*, *Boboa*.
- \* **Portesia rimosa** Blanco, ed. 1, 297; **Trichilia rimosa** Blanco, ed. 2, 250. Reduced by Villar to *Amoora canarana* Hiern. Probably correct as to the genus, but the species does not extend to the Philippines. Blanco's specimens were from the Province of Batangas, a tree flowering in May. T., *Busilac*.
- \* **Trichilia ? volubilis** Blanco, ed. 2, 249. Reduced by Villar to *Aglaiia grandis* Miq., a species not known from the Philippines. Excluded from the *Meliaceae* by DeCandolle, which is probably correct. A vine flowering in January. T., *Gogong toco*, *Cubatili*, *Gogong bisaya*.
- \* **Argophyllum pinnatum** Blanco, ed. 1, 186; ed. 2, 131. Reduced by Villar to *Aglaiia angustifolia* Miq., a species that does not extend to the Philippines, probably, however, correct as to the genus. Blanco's specimens were from Angat, Province of Bulacan, a shrub flowering in March.
- Melia iloilo** Blanco, ed. 2, 241 = *Aglaiia argentea* Blume! Described in the first edition under the native name only. P., *Iloilo*.
- Xylocarpus granatum** Koenig., Blanco, ed. 1, 298; ed. 2, 207.! T., *Tabigui*, *Nigui*, *Calumpang sa lati*. P., *Migi*.
- \* **Cedrela odorata** Blanco, ed. 1, 184; ed. 2, 130, non Linn. Reduced by Villar to *Cedrella toona* Roxb., a species not known from the Philippines. Correct as to the genus. T., P., *Calantas*. B., *Lanigpa*, *Lanigda*.
- \* **Cedrela taratara** Blanco, ed. 2, 131. A species known only from Blanco's description, whose specimens were from Bohol. T., *Taratara*. V., *Sandana*. B., *Bolongcauit*.

## CHAILLETIACEÆ.

- \* **Elaeocarpus ? integrifolius** Blanco, ed. 2, 306. Reduced by Villar to *Chailletia gelonioides* Hook. f., which must be considered doubtful, as this species has not been found in the Philippines. Described in the first edition under the native name, *Bitlag*. A tree flowering in March.
- \* **Quilesia sericea** Blanco, ed. 1, 177; ed. 2, 125. Reduced by Villar to *Chailletia griffithii* Hook. f., a species not known from the Philippines, and which must accordingly be considered doubtful. A shrub found in Ilocos Province, flowering in January. I., *Decdec*.
- \* **Riana tricapsularis** Blanco, ed. 1, 850; ed. 2, 126. Reduced by Villar to *Chailletia helferiana* Kurz, a species that certainly does not extend to the Philippines. A small shrub flowering in July. Blanco's specimens were from Angat, Province of Bulacan, no native name given.

## OLACACEÆ.

- Fissilia psittacorum** Blanco, ed. 1, 28; ed. 2, 20, non Lam. = *Olaë imbricata* Roxb.! T., *Malabaguio*, I., *Tadiag*.

## CELASTRACEÆ.

- Diosma serrata** Blanco, ed. 1, 168; ed. 2, 119 = *Celastrus paniculata* Willd.! T., *Bilogo*.
- Cupania spinosa** Blanco, ed. 1, 184; ed. 2, 204 = *Gymnosporia montana* Roxb.! T., *Malarayap*.
- \* **Hippocratea volubilis** Blanco, ed. 1, 27; ed. 2, 20. Reduced by Villar to *Hippocratea obtusifolia* Roxb., a species as yet not collected in the Philippines. Probably *Hippocratea indica* Willd. T., *Tatlong*.
- Salacia sinensis** Blanco, ed. 1, 26; ed. 2, 19. Reduced by Villar to *Salacia prinoides* DC., which is probably correct. T., *Matang olang*.
- \* **Comocladia serrata** Blanco, ed. 1, 30. Reduced by Villar to *Salacia oblonga* Wall., a species that certainly does not extend to the Philippines. Blanco does not include this species in the second edition. Blanco's specimens were from the seashore at Batangas, flowering in February, no native name given.

## RHAMNACEÆ.

- Enrilia dichotoma** Blanco, ed. 1, 709; **Ventilago monoica** Blanco, ed. 2, 124 = *VENTILAGO DICHOTOMA* (Blanco) (*Ventilago luzonensis* Vidal, Rev. Pl. Vasc. Filip. 90. 1886.) Villar erroneously reduces this species to *Ventilago maderaspatana* Gaertn. T., *Salapao*, *Silipao*.
- Rhamnus jujuba** Linn., Blanco, ed. 1, 172; **Zizyphus jujuba** (Linn.) Lam., Blanco, ed. 2, 120. The last name is correct. Sp.-Fil., *Manzanitas*.

- Rhamnus zizyphus** Blanco, ed. 1, 171, non Linn.; **Zizyphus lotus** Blanco, ed. 2, 121, non Lam. = *Zizyphus trinervis* Poir.! Erroneously reduced by Villar to *Zizyphus oenoplia* Mill. T., *Duclap, Talanai*. I., *Labba labba, Lanoti*.
- \* **Rhamnus talanai** Blanco, ed. 1, 170; **Zizyphus latifolia** Blanco, ed. 2, 121, non Poir. Reduced by Villar to *Zizyphus oenoplia* Mill., which is certainly an error. Possibly a form of *Zizyphus trinervis* Poir. Blanco's specimens were from San Mateo, Province of Rizal. T., *Talinas*.
- Rhamnus zonulatus** Blanco, ed. 1, 172 = **Zizyphus zonulatus** Blanco, ed. 2, 120.! (*Zizyphus arborea* Merrill, Govt. Lab. 1: 11. 1904.!) Blanco's second name is the correct one for this species, which was erroneously referred by Villar to *Zizyphus xylopyrus* Willd. T., *Balacat*.
- \* **Rhamnus dalanta** Blanco, ed. 1, 170 = **Zizyphus dalanta** Blanco, ed. 2, 121. Probably a distinct species. Blanco's specimens were from Bonbonon, Negros. V., *Dalanta*.
- Rhamnus carolinianus** Blanco, ed. 1, 169; ed. 2, 119, non Walt. = *Colubrina asiatica* L. C. Rich.! Erroneously reduced by Villar to *Rhamnus wightii* Wight et Arn., a species that certainly does not extend to the Philippines. T., *Cabatiti*.
- Gouania domingensis** Blanco, ed. 1, 196; ed. 2, 138, non Linn. = *Gouania leptostachya* DC.!

### AMPELIDACEÆ.

- Cissus quadrangularis** Linn., Blanco, ed. 1, 72; ed. 2, 52.!
- \* **Cissus vesicatoria** Blanco, ed. 12, 50. Reduced by Villar to *Cissus (Vitis) repens* W. et A., which may possibly be correct. T., *Pirapit angin*.
- Cissus latifolia** Blanco, ed. 2, 52, non Lam.; **Cissus simplex** Blanco, ed. 1, 72. Reduced by Villar to *Cissus (Vitis) adnata*, which is probably correct.
- Cissus acida** Blanco, ed. 1, 69; ed. 2, 50, non Linn. = *Cissus carnosia* Lam.! T., *Calitcalit, Cavilan, Pacopol*. B., *Lupo, Langingi, Lagini, Raguindi, P., Culutpamo*.
- Cissus rubescens** Blanco, ed. 1, 71; **Cissus alata** ? Blanco, ed. 2, 51, non Jacq. Reduced by Villar to *Cissus geniculata* Roxb., which may be correct. T., *Sampang*. P., *Loba*.
- \* **Cissus pedata** Blanco, ed. 1, 71; ed. 2, 52, non Lam. Reduced by Villar to *Vitis capriolata* Don., which is probably an error, as this species does not extend to the Philippines. T., *Ayo*.
- Aquilicia sambucina** Blanco, ed. 1, 178, non Linn.; *Leea sambucina* Blanco, ed. 2, 126, non Blume = *Leea rubra* Blume.! T., *Caliantang, Abangabang*.

**Ticoria aculeata** Blanco, ed. 1, 85; **Leea aculeata** Blume, Blanco, ed 2, 127.  
The latter name is correct.! P., *Malimali*.

### SAPINDACEÆ.

**Cardiospermum halicacabum** Blanco, ed. 1, 312; ed. 2, 218 = *Cardiospermum halicacabum* Linn., var. *microcarpum* Blume.! T., *Bangcolon*.

\* **Sapindus koelreuteria** Blanco, ed. 1, 289; **Koelreuteria arborea** Blanco, ed. 2, 202. Reduced by Villar to *Hemigyrosa perrottetii* Blume = *Guioa perrottetii* Radlk., which is certainly an error. Blanco gives no native name, and no locality.

**Molinaea arborea** Blanco, ed. 1, 292; ed. 2, 204 = *Guioa perrottetii* (Blume) Radlk.! Erroneously reduced by Villar to *Hemigyrosa canescens* Thw., a species that does not extend to the Philippines. Blanco's specimens were from Batangas, and also from Parañaque, near Manila, flowering in January. T., *Salab*.

**Quassia tricarpa** Blanco, ed. 1, 351; ed. 2, 246. Reduced by Villar to *Sapindus saponaria* Linn., and is certainly the form described by Radlkofer as *Sapindus saponaria* Linn., forma *microcarpus*, also probably identical with the form described by Vidal as *Sapindus turczaninowii*. T., *Tiquis tiquis*, *Catiquis*, *Sausanli*, I., *Cusiben*, P., *Malapalitpit*.

**Sapindus saponaria** Blanco, ed. 1, 292, non Linn.; **Sapindus guisan** Blanco, ed. 2, 201 = *Sapindus rarak* DC. (*Dittelasma rarak* Hook. f.) A tree flowering in April, no herbarium specimens known from the Philippines at the present time. T., *Guisan*, V., *Duca*.

**Sapindus edulis** Blume, Blanco, ed. 2, 201 = *Erioglossum rubiginosum* Blume.!

\* **Schmidelia conferta** Blanco, ed. 2, 217. Reduced by Villar to *Allophylus zeylanicus* Linn., a species that does not extend to the Philippines. Blanco's specimens were from Angat, Province of Bulacan, possibly not a species of *Sapindaceæ*.

**Aporetica ternata** Blanco, ed. 1, 290, non Forst. **Aporetica gemella** Blanco, ed. 2, 203, non DC. = *Allophylus grossedentata* (Turcz.) Radlk.! Erroneously reduced by Villar to *Allophylus cobbe* Blume.

\* **Aporetica penicellata** Blanco, ed. 1, 291; ed. 2, 203. Reduced by Villar to *Allophylus cobbe* Blume, var. *villosa*, which is certainly an error, although certainly correct as to the genus.

\* **Quassia simaruba** Blanco, ed. 2, 247, non Linn. Reduced by Villar to *Cupania glabrata* Kurz., a species that does not extend to the Philippines. Blanco's specimens were from Angat, Province of Bulacan, fruiting in February.

\* **Euphoria annularis** Blanco, ed. 1, 285; ed. 2, 199. Reduced by Villar to *Ratonia litoralis* Benth. et Hook. f., which is certainly an error. It may be identical with *Lepidopetalum perrottetii* Blume. A tree flowering in August. T., *Guisian*, *Guisihan*.

- Euphoria cubili** Blanco, ed. 1, 287; ed. 2, 200 = *Cubilia blancoi* Blume.  
Reduced by Villar to *Cubilia rumphii* Blume, which is a synonym of *C. blancoi*.! See Icon. Bogor. 1, part 4, 51, tt. 92, 93. 1901. This species is represented by No. 445 Forestry Bureau, and No. 33 Decades Philippine Forest Flora. T., *Cubili*, *Lubilubi*.
- \* **Sapindus baccatus** Blanco, ed. 1, 290; *Koelreuteria edulis* Blanco, ed. 2, 202. Blume transferred this species to *Otophora*, under the name *Otophora blancoi*. The species is known only from Blanco's description, his material being from the Provinces of Pampanga and Pangasinan, a tree flowering in December. P., *Talinouno*. I., *Dirig*.
- Capura pinnata** Blanco, ed. 1, 264; **Capura purpurata** Blanco, ed. 2, 184 = *Otophora fruticosa* Blume.! (*O. nigrescens* Vill.; *O. pinnata* Merrill.) Erroneously reduced by Villar to *Otophora paucijuga* Hiern, a species that does not extend to the Philippines.
- \* **Ornitrophe triandra** Blanco, ed. 1, 291; **Schmidelia triandra** Blanco, ed. 2, 218. Reduced by Villar to *Schleichera trijuga* Willd., which is very doubtful. Blanco gives no native name, and no locality.
- \* **Euphoria didyma** Blanco, ed. 1, 288; ed. 2, 201. Referred by Villar to *Nephelium glabrum* Noronh., which is possibly correct. T., *Guisian*, *Guisihan*, *Tinaingui*.
- Euphoria litchi** Blanco, ed. 1, 285; ed. 2, 199, non Juss. = *Euphoria cinerea* Radlk.! T., *Alpai*, *Lechias*, *Alipai*, *Alupai*. B., *Boboa*.
- Ptelia arborea** Blanco, ed. 1, 63; **Seringia lanceolata** Blanco, ed. 2, 45 = *Harpullia arborea* (Blanco) Radlk.! Erroneously reduced by Villar to *Harpullia cupanioides* Roxb. T., *Poas*. I., *Oas*.
- Melicocca triptera** Blanco, ed. 2, 203 = *Tristira triptera* (Blanco) Radlk.!
- Dodonæa angustifolia** Linn. f., Blanco, ed. 1, 312; ed. 2, 217 = *Dodonæa viscosa* Linn. var. *vulgaris* Benth.! T., *Calapinai*.

## ANACARDIACEÆ.

- Mangifera indica** Linn., Blanco, ed. 1, 179; ed. 2, 127.! T., *Manga*.
- Mangifera rostrata** Blanco, ed. 2, 129. Reduced by Villar to *Mangifera silvatica* Roxb., which is probably an error, as Blanco's species appears to be only a form of the common *Mangifera indica* Linn. Sp.-Fil., *Manga-pico*.
- Mangifera altissima** Blanco, ed. 1, 181; ed. 2, 129.! Reduced by Villar to *Mangifera longipes*, a species not as yet discovered in the Philippines. A distinct species related to *Mangifera quadrifida* Jack. See Merrill, Govt. Lab. Publ. 17: 27. 1904. T., *Pajo*, *Pao*.
- \* **Mangifera anisodora** Blanco, ed. 2, 129. Reduced by Villar to *Mangifera macrocarpa* Blume (*M. fragrans* Maingay.). This may be a distinct species, or a form of *Mangifera indica* Linn. Blanco saw no specimens, but established his species on hearsay. His information was from the pueblo of Sinit, Province of Ilocos Norte. Sp.-Fil., *Manga de anis*.



- \* **Mangifera pinnata** Blanco, ed. 1, 182, non Lam. This species is not included in the second edition, and is certainly not a *Mangifera*. It may be a species of some other genus of *Anacardiaceæ*, or may be a species of the *Meliaceæ*. T., *Tagapi*.
- Cassuvium reniforme** Blanco, ed. 1, 322; ed. 2, 227 = *Anacardium occidentale* Linn.! T., *Casoy*. I., *Bollugo*.
- Fagara decandra** Blanco, ed. 1, 66; ed. 2, 48 = *Buchanania florida* Schauer. var. *arborea* Engl.! T., *Balinhasa*.
- Helicteres pinnata** Blanco, ed. 1, 384; **Cryptocarpa quinquestila** Blanco, ed. 2, 269 = *Koordersiodendron pinnatum* (Blanco) Merrill, Forestry Bureau, Bull. 1: 33. 1903. (*K. celebicum* Engl.) T., *Amoguis*.
- Semecarpus cuneiformis** Blanco, ed. 1, 220; ed. 2, 155. Apparently a form or variety of *Semecarpus perrottetii* March.! T., *Ligas*.
- Semecarpus anacardium** Blanco, ed. 1, 217; ed. 2, 152, non Linn. f. = *Semecarpus perrottetii* March.! Erroneously reduced by Villar to *Semecarpus pubescens* Thw. T., *Ligas*. I., *Camiring*. V., *Langas*.
- Spondias dulcis** Blanco, ed. 1, 390; ed. 2, 273, non Forst. = *Spondias lutea* Linn.! Erroneously reduced by Villar to *Spondias purpurea* Linn. Sp.-Fil., *Sirihuelas*.
- Poupartia pinnata** Blanco, ed. 1, 392; ed. 2, 275 = *Spondias mangifera* Willd.! T., B., *Dao*.
- Paliurus edulis** Blanco, ed. 1, 173; **Paliurus lamio**, Blanco, ed. 2, 122 = *Dracontomelum cumingianum* Baill.! Although Blanco's name is the earlier, Baillon's should be retained, as Blanco in establishing the species describes the flowers (and leaves?) of some species of *Canarium*, while the rest of his description applies to *Dracontomelum*. Blanco undoubtedly intended to describe the species known to-day as *Dracontomelum cumingianum*, as that species is universally known by the Tagalogs by the name of *Lamio*. T., *Lamio*, *Malaiyo*. V., *Batoan*.
- Paliurus dao** Blanco, ed. 1, 174; ed. 2, 122 = *Dracontomelum mangiferum* Blume.! T., *Dao*.

### MORINGACEÆ.

- Moringa oleifera** Lam., Blanco, ed. 1, 341; ed. 2, 238.! T., *Malungay*, *Camalungai*, *Calungai*. V., P., *Malungai*, *Calungai*, *Dool*, *Malungit*.

### CONNARACEÆ.

- Cnestis volubilis** Blanco, ed. 1, 385; **Cnestis trifolia** Blanco, ed. 2, 270, non Lam. = *ROUREA VOLUBILIS* (Blanco) (*Rourea heterophylla* Planch.) Blanco's name is the earlier, and should be retained. T., *Camagsa taquilis*, *Palo Santo*, *Guicos guicos*. V., P., *Hanambabao*, *Ungalina mapula*, *Magtabig*, *Mavindato*.
- Cnestis diffusa** Blanco, ed. 1; **Cnestis polyphylla** Blanco, ed. 2, 270 = *Cnestis ramiflora* Griff.! Erroneously reduced by Villar to *Rourea rugosa* Planch. T., *Ibaiban*.

- \* **Cnestis erecta** Blanco, ed. 1, 387; **Omphalobium pictum** Blanco, ed. 2, 271. Reduced by Villar to *Connarus monocarpus* Linn., a species which certainly does not extend to the Philippines. Possibly a distinct species. A small shrub, flowering in October, no native name given.
- \* **Cnestis corniculata** Blanco, ed. 1, 386; ed. 2, 270, non Lam. Reduced by Villar to *Connarus ferrugineus* Jack., which is certainly an error. Blanco's specimens were from the pueblo of Tagudin, Province of Ilocos Sur. I., *Sal-laday*.
- Cnestis glabra** Blanco, ed. 1, 387; ed. 2, 271, non Lam. Reduced by Villar to *Connarus paniculatus* Roxb., a species that certainly does not extend to the Philippines. Certainly a synonym of *Rourea multiflora* Planch.! No locality or native name given.

### LEGUMINOSÆ.

- Crotalaria linifolia** Linn. f., Blanco, ed. 1, 570; **Quirosia secunda** Blanco, ed. 2, 398. The former name is correct.
- Crotalaria pallida** Blanco, ed. 1, 570, non Ait.; **Crotalaria pumila** Blanco, ed. 2, 397, non Schrank = *Crotalaria sessiliflora* Linn.!
- Phaseolus bulai** Blanco, ed. 1, 572; **Quirosia anceps** Blanco, ed. 2, 398 = *Crotalaria verrucosa* Linn.! T., *Bulai lava*.
- Crotalaria quinquefolia** Linn., Blanco, ed. 1, 569; ed. 2, 397.! T., *Catanda, Susoi, Susosusoyan, Balatong aso*.
- \* **Liparia badocana** Blanco, ed. 1, 597; **Psoralea badocana** Blanco, ed. 2, 416. Retained by Villar as a distinct species under the second name, which may be correct, citing *Meladenia densiflora* Turcz., as a synonym. Blanco's specimens were from the pueblo of Badoc, Ilocos Province. No native name given.
- Amorpha glandulosa** Blanco, ed. 1, 555; **Dalea alopecuróides** Blanco, ed. 2, 389, non Willd. = **DALEA GLANDULOSA** (Blanco) (*Dalea nigra* Mart. et Gal.). Although this plant is a native of America, yet the earliest description is that of Blanco, and his name should be retained. T., *Durang parang, Camangi*.
- Indigofera angustifolia** Blanco, ed. 1, 596; ed. 2, 415, non Linn. = *Indigofera hirsuta* Linn.! I., *Tayomtayom*.
- Indigofera argentea** Blanco, ed. 2, 415, non Linn. = *Indigofera tinctoria* Linn.!
- Indigofera tinctoria** Blanco ed. 1, 591; ed. 2, 413, non Linn. = *Indigofera anil* Linn.! T., *Tayom*. P., *Tayung*. V., *Tagung*.
- Indigofera hirsuta** Blanco, ed. 1, 591; non Linn.; **Indigofera senegalensis** Blanco, ed. 2, 412, non Lam. = *Tephrosia purpurea* Pers.! T., *Tayomtayoman*. V., *Dagangdang*. P., *Maasic*.
- Cylista piscatoria** Blanco, ed. 1, 589; **Galactia ? terminiflora** Blanco, ed. 2, 411 = **MILLETTIA PISCATORIA** (Blanco). Erroneously reduced by Villar to *Milletia splendens* W. et A., a species that certainly does not extend to the Philippines. T., *Tubli*.

- Galedupa pungam** Blanco, ed. 1, 558; ed. 2, 390, non Gmel. = *Gliricidia sepium* (Jacq.) Steud.! (*G. maculata* H. B. K.) Sp.-Fil., *Madre cacao*.
- Coronilla emerus** Blanco, ed. 1, 582, non Linn.; **Sesbania cannabina** Blanco, ed. 2, 418. Reduced by Villar to *Sesbania aculeata*, var. *paludosa* Baker, which is probably correct. T., *Malacaguois*.
- Sesbania grandiflora** Pers., Blanco, ed. 1, 599; ed. 2, 418.! T., *Caturai*.
- Lupinus angustifolius** Blanco, ed. 1, 566, non Linn.; **Smithia bigeminata** Blanco, ed. 2, 395. Reduced by Villar to *Zornia diphylla* Pers., which is probably correct.
- Arachia hypogaea** Linn., Blanco, ed. 1, 567; ed. 2, 396.! T., *Mani*.
- Hedysarum vespertilionis** Linn., Blanco, ed. 1, 581; ed. 2, 407 = *Lourea vespertilionis* (Linn.) Desv.
- Tetragonolobus simplicifolius** Blanco, ed. 397. This species was reduced by Villar to *Alysicarpus tetragonolobus* Edgw., a species that certainly does not extend to the Philippines. It is undoubtedly identical with *Alysicarpus bupleurifolius* DC. Blanco's specimens were from Parañaque, near Manila.
- Aeschynomene arborea** Blanco, ed. 1, 581; ed. 2, 406 = *Desmodium umbellatum* (Linn.) DC.!
- Cytisus quinquepetalus** Blanco, ed. 1, 598; **Cajanus quinquepetalus** Blanco, ed. 2, 417. Reduced by Villar to *Desmodium cephalotes* Wall., which is probably correct.
- Hedysarum pulchellum** Linn., Blanco, ed. 1, 581; **Dicerma pulchellum** DC., Blanco, ed. 2, 407 = *Desmodium pulchellum* (Linn.) Benth.! T., *Payangpayang*. V., *Calaicai*.
- Hippocrepis rhomboidea** Blanco, ed. 1, 585; **Desmodium spirale** DC., Blanco, ed. 2, 408. The latter name is correct.
- Hippocrepis comosa** Blanco, ed. 1, 584, non Linn.; **Desmodium diversifolium** Blanco, ed. 2, 408, non DC. = *Desmodium gangeticum* DC.! T., *Manquit*.
- Hippocrepis multisiliquosa** Blanco, ed. 1, 584, non Linn.; **Desmodium gangeticum** Blanco, ed. 2, 408, non DC. = *Desmodium latifolium* DC.! T., *Manquit*.
- Hippocrepis humilis** Blanco, ed. 1, 585; **Desmodium parvifolium** Blanco, ed. 2, 408, non DC. = *Desmodium triflorum* DC.! T., *Pacpac langao*.
- Abrus precatorius** Linn., Blanco, ed. 1, 565; ed. 2, 394.! T., *Saga*, *Sagamamin*, *Bangati*. B., *Bangati*, *Gicos gicos*, *Agaiyangyang*, *Mangadolong*, *Caloo*, *Matangpune*, *Aroyangyang*. P., *Cansasaga*. I., *Bugayon*.
- Negretia urens** Blanco, ed. 1, 586; ed. 2, 409 = *Mucuna imbricata* DC.! (No. 3783 Merrill.) Erroneously reduced by Villar to *Mucuna monosperma* DC., a species that certainly does not extend to the Philippines. A vine, flowering in November. T., *Buquiquit*, *Lipai*.
- Negretia pruriens** Blanco, ed. 2, 411. Reduced by Villar to *Mucuna atropurpurea* DC., which may be correct. V., *Nipai*, *Lipai*.

- Negretia mitis** Blanco, ed. 1, 588; ed. 2, 410, non Beauv. Reduced by Villar to *Mucuna nivea* DC., but probably only a form of *Mucuna pruriens* DC. T., *Garbanzos*, *Habas*.
- Erythrina carnea** Blanco, ed. 1, 564; ed. 2, 393, non Ait. = *Erythrina indica* Lam.! T., B., P., *Dapdap*. T., *Casindac*, B., *Cabrab*. P., *Sulbang*.
- Erythrina picta** Blanco, ed. 1, 565, non Linn.; **Erythrina caffra** Blanco, ed. 2, 394, non Thunb. = *Erythrina ovalifolia* Roxb.! T., *Anii*.
- Dolichos ensiformis** Linn., Blanco, ed. 1, 577; **Canavalia gladiata** Blanco, ed. 2, 403 = *Canavalia ensiformis* (Linn.) DC.! T., *Habas*. V., *Magtambocao*.
- Dolichos acinaciformis** Blanco, ed. 1, 578, non Jacq.; **Canavalia ensiformis** Blanco, ed. 2, 404, non DC. = *Canavalia obtusifolia* Cav.! T., *Pataning dagat*.
- Dioscorea bolojonica** Blanco, ed. 1, 800; ed. 2, 551; **Pachyrhizus teres** Blanco, ed. 1, 580; **Pachyrhizus montanus** Blanco, ed. 2, 406 = *Pueraria phaseoloides* (Roxb.) Benth.! Villar probably correctly reduces *Dioscorea bolojonica* Blanco to *Pueraria*, Blanco having described that species from leaf specimens only. The native name given by Blanco for his *Dioscorea* is *Bahai*, for *Pachyrhizus*, *Sincamas aso*.
- Phaseolus inamoenus** Blanco, ed. 1, 571; ed. 2, 399, non ? Linn. = *Phaseolus vulgaris* Linn.! This is reduced by Villar to a variety of *Phaseolus lunatus* Linn. T., *Patani*.
- \* **Phaseolus ilocanus** Blanco, ed. 1, 572; **Phaseolus tunkinensis** Blanco, ed. 2, 399, non ? Lour. Reduced by Villar to a variety of *Phaseolus lunatus* Linn., probably only a cultivated form of this species. Sp.-Fil., *Frijoles del Abra*.
- \* **Phaseolus vexillatus** Blanco, ed. 1, 574, non Linn.; **Phaseolus vulgaris** Blanco, ed. 2, 401, non Linn. Reduced by Villar to a variety of *Phaseolus lunatus* Linn., which may be correct. Much cultivated in the Province of Batangas. T., *Buttingi*, *Biringi*.
- \* **Phaseolus caracalla** Linn., Blanco, ed. 1, 575; ed. 2, 401. Retained under this name by Villar; doubtful. T., *Sitao*.
- Phaseolus mungo** Linn., Blanco, ed. 1, 573; ed. 2, 400.! T., *Balatong*, *Mongos*.
- \* **Dolichos trilobus** Blanco, ed. 2, 403, non Linn. Reduced by Villar to *Phaseolus calcaratus* Roxb., which may be correct. Blanco's specimens were from Guadalupe, near Manila, flowering in January.
- Phaseolus lunatus** Linn., Blanco, ed. 1, 573; ed. 2, 400.! T., *Zabache*.
- \* **Dolichos repens** Blanco, ed. 1, 577; ed. 2, 402, non Linn. Reduced by Villar to *Vigna repens* Baker, which is certainly an error, as the latter species does not extend to the Philippines. Blanco's specimens were from Batangas, flowering in August. No native name given.

- Dolichos sesquipedalis** Blanco, ed. 2, 402, non Linn.; **Dolichos echinulatus** Blanco, ed. 2, 401 = *Vigna catjang* Endl.! T., *Quibal, Sitao*.
- Pachyrhizus jicamas** Blanco, ed. 1, 579; **Pachyrhizus angulatus** Rich., Blanco, ed. 2, 405. The latter name is correct. T., *Sincamas, Hicamas*.
- Clitorea ternatea** Linn., Blanco, ed. 1, 590; ed. 2, 412.! T., *Colocanting*.
- Glycine lucida** Blanco, ed. 1, 578, non Forst.; **Lablab cultratus** DC., Blanco, ed. 2, 405 = *Dolichos lablab* Linn.! T., *Bulai, Batao*.
- Dolichos tetragonolobus** Linn., Blanco, ed. 1, 576; ed. 2, 402 = *Psophocarpus tetragonolobus* (Linn.) DC.! T., *Calamismis*. I., *Pal-lam*.
- Cytisus volubilis** Blanco, ed. 1, 599; **Cajanus volubilis** Blanco, ed. 2, 417. Reduced by Villar to *Atylosia mollis* Benth., which is probably correct.
- Cytisus cajan** Linn., Blanco, ed. 1, 597; **Cajanus bicolor** DC., Blanco, ed. 2, 416 = *Cajanus indicus* Spreng.! T., *Caguois*.
- \* **Amerimnum mimosella** Blanco, ed. 1, 563; ed. 2, 393. Reduced by Villar to *Dalbergia lanceolaria* Linn., a species that certainly does not extend to the Philippines. Prain<sup>1</sup> retains this as an imperfectly known species, *Dalbergia mimosella* (Blanco) Prain. Blanco's specimens were from Tala, Province of Rizal or Bulacan, flowering in June. T., *Macapil*.
- Pterocarpus pallidus** Blanco, ed. 1, 560; ed. 2, 391 = *Pterocarpus indicus* Willd.! T., *Asana*. C., V., *Naga*. P., *Daitanag*.
- Pterocarpus santalinus** Blanco, ed. 1, 561; ed. 2, 392, non Linn. = *Pterocarpus blancoi* Merrill, Govt. Lab. Publ. 6:7. 1904. *Pterocarpus santalinus* Linn., does not extend to the Philippines. T., *Narra, Naga*. P., *Apalit, Daitanag*. V., *Sanque?*.
- Galedupa maculata** Blanco, ed. 1, 559; ed. 2, 390 = *Pongamia glabra* Vent.! T., *Baliebalie*.
- Galedupa frutescens** Blanco, ed. 1, 559; ed. 2, 391. Reduced by Villar to *Derris scandens* Benth., which is probably correct. T., *Malasaga*.
- Pterocarpus frutescens** Blanco, ed. 1, 562; ed. 2, 392. Reduced by Villar to *Derris uliginosa* Benth., which is probably correct. T., *Silasila*.
- \* **Pterocarpus diadelphus** Blanco, ed. 1, 563; ed. 2, 393. Reduced by Villar to *Derris thyrsoflora* Benth., a species not known from the Philippines. Flowering in June. T., *Silasila*.
- Sophora tomentosa** Linn., Blanco, ed. 1, 328; ed. 2, 229.! T., B., *Tambalisa, Cabaicabai, Yabag, Mantala*, etc.
- Sophora heptaphylla** Blanco, ed. 1, 329; ed. 2, 229, non DC. Villar considers that Blanco describes DeCandolle's species, but *Sophora heptaphylla* certainly does not extend to the Philippines. It is apparently but a form of the preceding. T., *Tambalisa, Cabaicabai*.

<sup>1</sup> Ann. Bot. Gard., Calcutta, 10: 42. 1904.

- Ormosia calavensis** Blanco, ed. 2, 230.!
- Guilandina bonducella** Linn., Blanco, ed. 1, 343; ed. 2, 239 = *Caesalpinia bonducella* (Linn.) Fleming. T., *Bayag cambing, Calambibit*. V., *Dalugdug*.
- Guilandina nuga** Linn., Blanco, ed. 1, 344; ed. 2, 240 = *Caesalpinia nuga* (Linn.) Ait. T., *Camit cabag*.
- Caesalpinia sappan** Linn., Blanco, ed. 1, 335; ed. 2, 234. T., *Sapang, Sibucan*.
- Poinciana pulcherrima** Linn., Blanco, ed. 1, 333; ed. 2, 232 = *Caesalpinia pulcherrima* (Linn.) Swartz. Sp.-Fil., *Flores, Rosas, Caballero*.
- Caesalpinia torquata** Blanco, ed. 1, 336; *Mezoneurum procumbens* Blanco, ed. 2, 235 = *Mezoneurum glabrum* Desf. T., *Sagnit, Sapnit, Capitcabag*. P., *Sapnit*. V., *Tugabang, Ugabang*.
- Caesalpinia ignota** Blanco, ed. 1, 336; ed. 2, 235 = *Mezoneurum pubescens* Desf.!
- Mimosa membranulacea** Blanco, ed. 1, 739; **Reichardia pentapetala** Blanco, ed. 2, 233 = *Pterolobium indicum* A. Rich. I., *Palo santo*.
- Cassia fistula** Linn., Blanco, ed. 1, 339; ed. 2, 237. Blanco includes in this species *Cassia javanica* Linn. T., P., *Canafistula*. V., *Lombayong, Ibabao, Balayong*.
- Cassia occidentalis** Linn., Blanco, ed. 1, 338; ed. 2, 236. T., *Tighiman*.
- Cassia tora** Linn., Blanco, ed. 1, 337; ed. 2, 235. T., *Manimanihan, Mongomongohan, Catandang aso*.
- Cassia longisiliqua** Blanco, ed. 1, 338, non Linn.; **Cassia sulcata** Blanco, ed. 2, 236, non DC. = *Cassia hirsuta* Linn. T., *Tighiman*.
- Cassia alata** Linn., Blanco, ed. 1, 339; ed. 2, 237. T., *Sonting, Acapulco, Gamot sa buni, Catanda*. V., *Sunting, Casitas*. P., *Pacayomcom Castila*.
- Cassia mimosoides** Linn., Blanco, ed. 1, 340; ed. 2, 237.!
- Schotia speciosa** Blanco, ed. 1, 356; ed. 2, 251, non Linn. Reduced by Villar to *Cynometra ramiflora* Linn., var. *mimosoides* Baker, which is probably an error. Doubtless the same as *Cynometra inequalifolia* A. Gray. T., *Balitbitan*.
- Crudia spicata** Blanco, ed. 2, 261, non Willd. = *Crudia blancoi* Rolfe. T., *Malatumbaga, Hintotoor*.
- Tamarindus indica** Linn., Blanco, ed. 1, 29; ed. 2, 20. T., P., C., V., *Sampaloc, Maca sampaloc*. V., *Sambac, Sumalagui, Camalagui, Sampalagui*. I., *Salomagui*.
- Eperua decandra** Blanco, ed. 1, 368; ed. 2, 259 = *Intsia bijuga* O. Kuntze. (*Afzelia bijuga* A. Gray.) T., *Ipil, Taal*.
- Eperua falcata** Blanco, ed. 1, 369, non Aubl.; **Eperua rhomboidea** Blanco, ed. 2, 260 = *Pahudia rhomboidea* (Blanco) Prain. (*Afzelia rhomboidea* Vidal.) T., *Tindalo, Balayon*.

- Bauhinia tomentosa** Blanco, ed. 1, 330; ed. 2, 230, non Linn. Reduced by Villar to *Bauhinia malabarica* Roxb., which is probably correct. T., *Alibanban*. B., *Livas*, *Alibanban*, *Balibanban*, *Marulinao*, *Diis*, *Ahihiro*, *Alambihor*, *Alibihil*. P., *Alibanban*.
- Bauhinia binata** Blanco, ed. 1, 331; ed. 2, 231. Reduced by Villar to *Bauhinia blancoi* Baker, but if this is correct Blanco's name is the earlier. T., *Alibanban*.
- Bauhinia scandens** Blanco, ed. 1, 332; ed. 2, 232, non Linn. = *Bauhinia cumingiana* Benth.! Erroneously referred by Villar to *Bauhinia vahlii* W. et A., a species that does not extend to the Philippines. T., *Banot*.
- \* **Bauhinia castrata** Blanco, ed. 1, 331; **Bauhinia purpurea** Blanco, ed. 2, 231, non Linn. Considered by Villar to be identical with *Bauhinia purpurea* Linn., but this is certainly an error. Blanco's specimens were from Pasig, flowering in October. Very near *Bauhinia malabarica* Roxb. T., *Alibanban*.
- \* **Bauhinia grandiflora** Blanco, ed. 1, 332; ed. 2, 231, non Juss. Reduced by Villar to *Bauhinia variegata* Linn., a species not known from the Philippines. Blanco's specimens were from Tayabas, a tree flowering in August. T., *Bongalon*.
- Mimosa acle** Blanco, ed. 1, 738; ed. 2, 509 = *Pithecolobium acle* (Blanco) Vidal.! Erroneously reduced by Villar to *Xylia dolabriformis* Benth. T., *Acle*.
- Adenanthera gogo** Blanco, ed. 1, 353; **Entada pursaetha** DC., Blanco, ed. 2, 247 = *Entada scandens* (Linn.) Benth.! T., *Gogo*, *Bayogo*. B., P., *Balogo*, *Gogong bacay*.
- Mimosa virgata** Blanco, ed. 1, 737; **Mimosa punctata** Blanco, ed. 2, 508 = *Adenanthera pavonina* Linn.! T., *Quinasacasai*.
- Mimosa peregrina** Blanco, ed. 1, 737; ed. 2, 509, non Linn. = *Parkia roxburghii* G. Don.! T., *Copang*.
- Mimosa asperata** Blanco, ed. 1, 732; ed. 2, 505, non Willd. = *Mimosa pudica* Linn.! T., *Macahiya*.
- \* **Mimosa quadrivalvis** Blanco, ed. 1, 732; ed. 2, 506. Considered by Villar to be the same as *Schranckia aculeata* Willd., an American species, and one not definitely known from the Philippines. Blanco's specimens were from Bauang, Province of Batangas, flowering in September. T., *Sapinit*.
- Mimosa farnesiana** Linn., Blanco, ed. 1, 729; ed. 2, 504 = *Acacia farnesiana* (Linn.) Willd.! T., *Aroma*.
- Mimosa tenuifolia** Blanco, ed. 1, 739; ed. 2, 510, non Linn. = *Acacia concinna* DC.! T., *Sibog*.
- Mimosa lebbek** Blanco, ed. 1, 733; ed. 2, 506, non Linn. Reduced by Villar to *Albizia retusa* Benth., which is probably correct. T., *Langil*.
- Mimosa coriaria** Blanco, ed. 1, 734; ed. 2, 506 = *Albizia procera* Benth.! T., *Ayangao*, *Dariangao*, *Ananaplas*. P., *Anitap*. I., *Adaan*.

**Mimosa carisquis** Blanco, ed. 1, 731; ed. 2, 507. Reduced by Villar to *Albizzia julibrissin* Durazz., which is probably correct. T., *Carisquis*.

**Mimosa unguis-cati** Blanco, ed. 1, 731, non Linn.; **Inga lanceolata** Blanco, ed. 2, 370, non HBK. = *Pithecolobium dulce* Benth.! T., *Camochiles*, *Camonsiles*.

**Mimosa scutifera** Blanco, ed. 1, 735; ed. 2, 507. Reduced by Villar to *Pithecolobium lobatum* Benth., which is probably correct, although held by Bentham to be a distinct species, *Pithecolobium scutiferum*. T., *Anagap*.

## ROSACEÆ.

\* **Prunus armeniaca** Blanco, ed. 2, 290, non Linn. Reduced by Villar to *Prunus triflora* Roxb., which is evidently an error. Blanco's specimens were from cultivated plants in Manila and in the Province of Cagayan. Sp.-Fil., *Albaricoques*.

**Rubus moluccanus** Linn., Blanco, ed. 1, 428; ed. 2, 298. Considered by Villar to have been correctly identified by Blanco. T., *Dagamit*.

**Rubus jamaicensis** Blanco, ed. 1, 427, non Linn.; **Rubus comintanus** Blanco, ed. 2, 298. Reduced by Villar to *Rubus rosæfolius* Smith, which is probably correct. T., *Sapinit*, *Sagmit*.

## SAXIFRAGACEÆ.

\* **Malesherbia globosa** Blanco, ed. 2, 454. Reduced by Villar to *Hydrangea oblongifolia* Blume, which is probably an error, possibly the same as *Hydrangea lobbia* Maxim. Blanco's specimens were from Bolhoon, Cebu. V., *Mampol*.

## CRASSULACEÆ.

**Cotyledon paniculata** Blanco, ed. 1, 381, non Linn. f.; **Bryophyllum germinans** Blanco, ed. 2, 220 = *Bryophyllum calycinum* Salisb.! T., *Angelico*, *Catacataca*.

**Cotyledon serrata** Blanco, ed. 1, 382, non Linn.; **Bryophyllum serratum** Blanco, ed. 2, 220 = *Kalanchoë laciniata* DC.!

**Cotyledon lanceolata** Blanco, ed. 1, 382, non Forsk; **Bryophyllum triangulare** Blanco, ed. 2, 221 = *Kalanchoë spathulata* DC.!

## DROSERACEÆ.

**Drosera hexagynia** Blanco, ed. 1, 226; ed. 2, 159 = *Drosera indica* Linn.! T., *Hintipalo*.

## RHIZOPHORACEÆ.

**Rhizophora mangle** Blanco, ed. 1, 397; ed. 2, 278, non Linn. = *Rhizophora mucronata* Lam.! T., *Bacao*, *Bacauan*.

**Rhizophora longissima** Blanco, ed. 1, 398; ed. 2, 278 = *Rhizophora conjugata* Linn.! T., *Tangal*. V., *Ton̄gog*.



- Rhizophora candel** Blanco, ed. 1, 396; ed. 2, 277, non Linn. = *Ceriops candolleana* Arn.! T., *Ligasín, Tigasan*. V., *Pototan*.
- Rhizophora tinctoria** Blanco, ed. 1, 394; **Rhizophora gymnorhiza** Linn., Blanco, ed. 2, 276 = *Bruguiera gymnorhiza* Lam.! T., *Bacao, Bacauan*. I., *Oongon*.
- Rhizophora polyandra** Blanco, ed. 1, 396; ed. 2, 277 = *Bruguiera eriopetala* W. et A.! T., *Bacao, Bacauan*.
- Rhizophora plicata** Blanco, ed. 1, 398; ed. 2, 279. Reduced by Villar to *Bruguiera malabarica* Arn., a species not known from the Philippines, probably only a form of *Bruguiera eriopetala* W. et A. T., *Bacao, Bacauan*.
- Bruguiera nemorosa** Blanco, ed. 2, 275. Reduced by Villar to *Carallia integerrima* DC., which is probably correct.

### COMBRETACEÆ.

- Terminalia latifolia** Blanco, ed. 1, 376, non Swartz; **Terminalia mauritiana** Blanco, ed. 2, 264, non Lam. = *Terminalia catappa* Linn.! T., P., *Talisai*. P., *Banilac, Nato, Hitam, Dalasa, Calisai*. I., *Lugo, Pandan*.
- Terminalia angustifolia** Blanco, ed. 1, 377, non Jacq.; **Terminalia edulis** Blanco, ed. 2, 265. Erroneously reduced by Villar to *Terminalia belerica* Roxb., a species that does not extend to the Philippines. A very characteristic species, the second name being the correct one. T., *Calumpit*.
- \* **Bucida comintana** Blanco, ed. 1, 856; ed. 2, 265. Erroneously reduced by Villar to *Terminalia chebula* Retz., a species not known from the Philippines. Certainly not a species of *Terminalia*, but judging from Blanco's description, a species of *Calycopteris*. Blanco's specimens were from the town of San Jose, Province of Batangas, a tree flowering in May. T., *Comintan, Dinglas*.?
- Gimbernatia calamansanay** Blanco, ed. 2, 266 = *Terminalia calamansanay* (Blanco) Rolfe.! Erroneously referred by Villar to *Terminalia bialata* Kurz, a species that does not extend to the Philippines. T., *Calamansanai*.
- Petaloma coccinea** Blanco, ed. 1, 345; ed. 2, 240 = *Lumnitzera purpurea* Presl.! (*Lumnitzera coccinea* W. et A.) T., *Culasi*.
- Petaloma alba** Blanco, ed. 1, 344; ed. 2, 240 = *Lumnitzera racemosa* Willd.! T., *Culasi*.
- Combretum distillatorium** Blanco, ed. 1, 295; **Combretum laxum** Blanco, ed. 2, 206, non Roxb. = *Combretum squamosum* Roxb.! Erroneously reduced by Villar to *Combretum ovalifolium* Roxb., a species that certainly does not extend to the Philippines. I., *Malacadog*. T., *Pamulaclaquin*.

- \* **Gnidia oppositifolia** Blanco, ed. 1, 299; ed. 2, 208. Reduced by Villar to *Combretum wallichii* DC., which is certainly an error, as that species does not extend to the Philippines. Possibly a species of *Combretaceæ*. Blanco's specimens were from Angat, Province of Bulacan, a small tree, flowering in December.
- Quisqualis indica** Linn., Blanco, ed. 1, 361; **Quisqualis spinosa** Blanco, ed. 2, 254. This species is reduced by Villar to *Quisqualis malabarica* Bedd., which is certainly an error. Blanco's species is certainly identical with *Quisqualis indica* Linn.! T., *Niogniogan*, *Tagarao*. V., *Tangoton*. P., *Bebevabe*. I., *Tartarao*.
- Gronovia ternata** Blanco, ed. 1, 187; ed. 2, 132 = *Illigera luzonensis* (Presl.) Merrill, Govt. Lab. Publ. 17: 18. 1904. (*Illigera meyeniana* Kunth.)
- Halesia ternata** Blanco, ed. 1, 399; ed. 2, 279. Reduced by Villar to *Illigera dubia* Span., which is certainly an error. Certainly identical with the preceding!
- Gyrocarpus lobatus** Blanco, ed. 2, 54 = *Gyrocarpus jacquini* Roxb.! This species is described by Blanco, in the first edition under the native name only, *Lapolapo*.

### MYRTACEÆ.

- \* **Metrosideros pictapetala** Blanco, ed. 2, 295. Reduced by Villar to *Metrosideros vera* Rumph., which is evidently an error. Blanco's specimens were from Cebu, a tree flowering in September. V., *Barit*.
- Psidium aromaticum** Blanco, ed. 1, 417, non Aubl.; **Psidium pyriferum** Blanco, ed. 2, 292, non Linn. = *Psidium guayava* Linn. var.! T., *Bayabas*, *Guyabas*, *Calimbahin*.
- Myrtus communis** Blanco, ed. 1, 422; ed. 2, 295, non Linn. = *Decaspermum blancoi* Vidal.! Erroneously referred by Villar to *Decaspermum rubrum* Blume. T., *Malatumbaga*.
- Eugenia jambos** Blanco, ed. 1, 416; ed. 2, 290, non Linn. = *Jambosa malaccensis* (Linn.) DC.! T., *Macupa*, *Yambo*.
- Eugenia malaccensis** Blanco, ed. 1, 415; ed. 2, 290, non Linn. = *Jambosa vulgaris* DC.! T., *Tampoi*, *Calobcob*. V., *Yampoi*. P., *Balobar*.
- \* **Eugenia montana** Blanco, ed. 1, 418; ed. 2, 291, non DC. Reduced by Villar to *Eugenia macrocarpa* Roxb., a species not known from the Philippines. Certainly a species of *Jambosa*. Blanco's specimens were in part from Balanga, Province of Bataan, flowering in August. T., *Copcop*, *Malaracopcop*.
- Myrtus mananquil** Blanco, ed. 1, 421; **Eugenia mananquil** Blanco, ed. 2, 290. Reduced by Villar to *Eugenia javanica* Lam., probably the same as *Jambosa aequa* (Roxb.) DC. A tree flowering in April. T., *Mananquil*.

- \* **Eugenia bauanguica** Blanco, ed. 1, 418; ed. 2, 290. Reduced by Villar to *Eugenia laeta* Ham., which is certainly an error. Related to if not identical with *Jambosa malaccensis* (Linn.) DC. Blanco's specimens were from Bauang, Province of Batangas, a shrub flowering in March.
- \* **Myrtus tripinnata** Blanco, ed. 1, 421; **Myrtus subrubens** Blanco, ed. 2, 294. Reduced by Villar to *Eugenia cymosa* Lam., a species not known from the Philippines. Certainly a species of *Jambosa*. A tree flowering in February. T., *Malaruhat na pula*.
- \* **Calyptranthes makal** Blanco, ed. 1, 419, non Rauesch.; **Calyptranthes zuzygium** Blanco, ed. 2, 293, non Swartz. Reduced by Villar to *Eugenia operculata* Roxb., which is certainly an error. A species of *Syzygium*? A tree flowering in January. T., *Malaruhat*.
- Calyptranthes jambolana** Willd., Blanco, ed. 1, 418; **Syzygium jambolana** DC., Blanco, ed. 2, 293. The last name is correct. T., P., *Lumboi, Duhat, Duat*.
- \* **Calyptranthes ramiflora** Blanco, ed. 1, 420; **Syzygium latifolium** Blanco, ed. 2, 249, non DC. This species is reduced by Villar to *Eugenia bracteata* Roxb., a species that certainly does not extend to the Philippines. Blanco's specimens were from San Jose, Province of Batangas, a tree flowering in February. T., *Dinglas*.
- \* **Eugenia glandulosa** Blanco, ed. 1, 417; ed. 2, 291. A shrub flowering in July. Blanco's specimens were from Malinta, near Manila. Villar makes no attempt to reduce this species.
- \* **Eugenia lobas** Blanco, ed. 1, 857; **Eugenia cauliflora** Blanco, ed. 2, 291. A species quite unknown. Blanco's specimens were from trees cultivated in Manila, the fruit very acid. T., *Lobas*.
- Barringtonia speciosa** Forst., Blanco, ed. 1, 533; ed. 2, 373.! T., *Botong, Botongbotong*. V., *Bitoon, Bitung, Botong*.
- Barringtonia stradivium** Blanco, ed. 1, 533; **Barringtonia racemosa** Blume, Blanco, ed. 2, 373. The latter name is correct. T., *Potat*.
- \* **Sulipa globosa** Blanco, ed. 2, 348. Reduced by Villar to *Planchonia littoralis* Blume, which may be correct. Blanco's specimens were from Maragondon, Province of Cavite, the ripe fruits used for poisoning fish.

### MELASTOMATACEÆ.

- Osbeckia multiflora** Blanco, ed. 1, 293, non Smith; **Osbeckia sinensis** Blanco, ed. 2, 205 = *Osbeckia chinensis* Linn.!
- \* **Melastoma aspera** Blanco, ed. 1, 368; **Melastoma obvoluta** Blanco, ed. 2, 259. Reduced by Villar to *Melastoma malabathricum* Linn., but this is probably an error, as the latter species is not known from the Philippines. Blanco's specimens were from Angat. Probably the same as *Melastoma obvolutum* Jack.

- Melastoma tamonea** Blanco, ed. 1, 367, non Sw.; **Melastoma dodecandra** Blanco, ed. 2, 258 = *Melastoma polyantha* Blume! Reduced by Villar to *Melastoma imbricatum* Wall., a species that does not extend to the Philippines. Blanco's specimens were from Panay, a shrub flowering in March.
- Melastoma malabathrica** Blanco, ed. 1, 367; ed. 2, 258, non Linn. = *Melastoma molle* Wall.! V., *Buyong*.
- Memecylon parviflorum** Blanco, ed. 1, 300; **Memecylon tinctorium** Blanco, ed. 2, 208 = *Memecylon edule* Roxb.! Villar reduces Blanco's species to the variety *ovata* Clarke. T., *Colis. I., Candon. V., Saguinsin*.
- Memecylon lanceolatum** Blanco, ed. 1, 301; ed. 2, 209. Reduced by Villar to *Memecylon cumingianum* Presl., but it is probably only a form or variety of the preceding. T., *Colis. I., Candong*.

### LYTHRACEÆ.

- Ammania monoflora** Blanco, ed. 1, 64; **Ammania ramosior** Blanco, ed. 2, 46, non ? Linn. This species is reduced by Villar to *Ammania peploides* Spreng. (*Rotalia indica* (Willd.) Koehne), which is apparently correct, although Koehne considers Blanco's species to be identical with *Rotalia ramosior* (Linn.) Koehne, an American species. Blanco states that the plant is very common, flowering in October, but so far as known no collector has secured specimens of *Rotalia indica* (Linn.) Koehne, in the Philippines.
- Celosia nana** Blanco, ed. 1, 192; **Ammania debilis** Blanco, ed. 2, 46, non Ait. = *Ammania baccifera* Linn.! T., *Bias pogo*.
- Pemphis setosa** Blanco, ed. 1, 410; ed. 2, 285 = *Pemphis acidula* Forst.!
- Lawsonia inermis** Linn., Blanco, ed. 1, 294; ed. 2, 206.! Sp.-Fil., *Cinamomo*.
- Quilamum luteum** Blanco, ed. 1, 851; ed. 2, 136 = *Crypteronia paniculata* Blume! Erroneously reduced by Villar to *Crypteronia pubescens* Blume, var. *hookeri* Clarke, a species that does not extend to the Philippines. T., *Quilamo*.
- Lagerstroemia indica** Linn., Blanco, ed. 1, 454; ed. 2, 316.! Sp.-Fil., *Melindres*.
- Munchausia speciosa** Linn., Blanco, ed. 1, 611; ed. 2, 427 = *Lagerstroemia speciosa* (Linn.) Pers.! T., *Banaba*.
- Sonneratia pagatpat** Blanco, ed. 1, 424; ed. 2, 296.! This species was erroneously reduced by Villar to *Sonneratia acida* Linn. f. T., *Pagatpat, Palatpat, Palapat*.
- Punica granatum** Linn., Blanco, ed. 1, 422; ed. 2, 295.! Sp.-Fil., *Granada*.

## ONAGRACEÆ.

**Jussiaea inclinata** Blanco, ed. 1, 366, non Linn.; **Jussiaea fluviatilis** Blanco, ed. 2, 257, non Blume = *Jussiaea repens* Linn.! T., *Cangcong dapo*.

**Jussiaea erecta** Blanco, ed. 1, 365; ed. 2, 257, non Linn. = *Jussiaea suffrutiosa* Linn.! T., *Malapaco, Balacbac?*

\* **Balingayum decumbens** Blanco, ed. 1, 187; ed. 2, 132. This species and the genus is unknown. Villar retains it as a distinct genus of the *Onagraceæ*, but Bentham and Hooker, and Engler and Prantl refer it doubtfully to the genus *Erythropalum* in the *Olcaceæ*. Blanco's specimens were from Malinta, near Manila, a small prostrate plant, growing in wet places, rare and not well known to the natives. T., *Balingayo*.

## SAMYDACEÆ.

\* **Laurus serrata** Blanco, ed. 1, 319; ed. 2, 224. Reduced by Villar to *Casearia glomerata* Roxb., a species that certainly does not extend to the Philippines. Possibly a form of *Casearia grewiaefolia* Vent. A shrub or small tree flowering in August. T., *Inignin*.

**Samyda serrulata** Blanco, ed. 1, 374, non Linn.; **Samyda pubescens** Blanco, ed. 2, 263, non Linn. = *Casearia cinerea* Turcz.! Erroneously reduced by Villar to *Casearia tomentosa* Roxb. T. *Tulibas*.

**Anavinga fuliginosa** Blanco, ed. 1, 372; **Casearia fuliginosa** Blanco, ed. 2, 262. *Casearia leucolepis* Turcz., is certainly a synonym of this species, and Blanco's name being the earlier should be retained. Erroneously reduced by Villar to *Casearia grewiaefolia* Vent.

\* **Samyda trivalvis** Blanco, ed. 1, 374; ed. 2, 263. Reduced by Villar to *Casearia fragilis* Vent., which is certainly an error, although probably correct as to the genus. Blanco's specimens were from Angat, Province of Bulacan.

\* **Gordonia polysperma** Blanco, ed. 1, 549; ed. 2, 384. Reduced by Villar to *Homalium foetidum* Benth., a species not known from the Philippines. Undoubtedly a species of *Homalium*. Blanco gives no locality and no native name.

## PASSIFLORACEÆ.

**Passiflora minima** Blanco, ed. 1, 647, non Jacq.; **Passiflora serrulata** Jacq., Blanco, ed. 2, 452. The second name is undoubtedly correct. A cultivated plant flowering in August.

\* **Passiflora parviflora** Blanco, ed. 1, 469, non Sw.; **Modecca ? parviflora** Blanco, ed. 2, 453. Reduced by Villar to *Modecca cardiophylla* Masters, a species that certainly does not extend to the Philippines. Blanco's specimens were from the mountains near San Mateo, Province of Rizal, fruit edible. T., *Salapong*.

- \* **Passiflora coccinea** Blanco, ed. 1, 650, non Banks; **Modecca ? coccinea** Blanco, ed. 2, 453. Reduced by Villar to *Modecca heterophylla* Blume, a species as yet not known from the Philippines. Blanco's specimens were from the same locality as the preceding species. Fruit 2 inches long, 2 inches in diameter, edible, flowering in June. T., *Melong ouac*.
- \* **Passiflora saponaria** Blanco, ed. 1, 650; **Modecca ? saponaria** Blanco, ed. 2, 453. Reduced by Villar to *Modecca trilobata* Roxb., a species that is unknown from the Philippines. Blanco's specimens were from Tagudin, Province of Ilocos Sur. H., *Libas*.
- \* **Passiflora zucca** Blanco, ed. 1, 648; **Modecca trilobata** Blanco, ed. 2, 452, non Roxb. Reduced by Villar to *Modecca palmata* Lam., a species that certainly does not extend to the Philippines, Blanco gives no locality for his specimens, which he states flower in June. Fruit red. T., *Binoyoc boyoc*.
- Carica hermaphrodita** Blanco, ed. 1, 803; ed. 2, 554. **Carica papaya** Linn., Blanco, ed. 1, 803; ed. 2, 554. The latter name is correct. *Carica hermaphrodita* Blanco, is an abnormal form. Sp.-Fil., *Papaya*.

## CUCURBITACEÆ.

- Trichosanthes amara** Blanco, ed. 1, 774; ed. 2, 533, non Linn. Reduced by Villar to *Trichosanthes palmata* Roxb., but certainly identical with *T. quinquangulata* A. Gray! Not *Luffa acutangula* Roxb., as stated by Cogniaux. T., *Salagsalag*, *Pacupis*, *Salimpocot*, *Hothot*, *Halahala*, *Buyocbuyoc*. B., P., *Tabobog*, *Cucubitan*, *Pocotpocot*, *Curagda*. Sp.-Fil., *Pepinillo de San Gregorio*.
- Cucurbita lagenaria-oblonga** Blanco, ed. 1, 772; ed. 2, 531 = *Lagenaria vulgaris* Seringe, var.! T., *Tabayag*.
- Cucurbita lagenaria-villosa** Blanco, ed. 1, 772; ed. 2, 532 = *Lagenaria vulgaris* Seringe, var.! T., *Opo*.
- Momordica operculata** Blanco, ed. 1, 770; ed. 2, 530, non Linn. = *Luffa cylindrica* Roem.! T., *Salag salag*.
- Cucumis acutangulus** Linn., Blanco, ed. 1, 776; ed. 2, 534 = *Luffa acutangula* (Linn.) Roxb.! T., *Patola*.
- Cucurbita pepo-aspera** Blanco, ed. 1, 773; ed. 2, 532 = *Benincasa cerifera* Savi.! T., *Condol*.
- Momordica cylindrica** Blanco, ed. 1, 769; ed. 2, 530, non Linn. = *Momordica charantia* Linn.! Native names the same as for the next species.
- Momordica balsamina** Linn., Blanco, ed. 1, 768; ed. 2, 529.! T., *Ampalaya*, *Amargoso*. B., *Palla*, *Margoso*. P., *Apalia*. I., *Paria*.
- Momordica sphæroidea** Blanco, ed. 1, 771; ed. 2, 531 = *Momordica cochinchinensis* Spreng.! T., *Boyochoyoc*.

**Cucumis melo** Linn., Blanco, ed. 1, 775; ed. 2, 534. Reduced by Villar to *Cucumis trigonus* Roxb., but it is evident that Blanco correctly interpreted the species, and that the plant he describes is only a form of *Cucumis melo* Linn. T., *Tabogo*.

**Cucurbita sulcata** Blanco, ed. 1, 773; ed. 2, 532 = *Cucurbita maxima* Duchesne.! T., *Calabazang bilog*.

**Cucumis luzonicus** Blanco, ed. 1, 861; ed. 2, 534. Reduced by Villar to *Melothria indica* Lour., which is probably correct. T., *Melon daga*.

### BEGONIACEÆ.

**Begonia capensis** Blanco, ed. 1, 724; ed. 2, 501, non Linn. Reduced by Villar to *Begonia rhombicarpa* A. DC., which is probably correct. T., *Pingol bato*.

### CACTACEÆ.

**Cactus pitajaya** Blanco, ed. 2, 289, non Linn. Reduced by Villar to *Cereus triangularis* Haw., which is probably correct. Cultivated only.

**Cactus opuntia** Blanco, ed. 1, 414; ed. 2, 288, non Linn. Reduced by Villar to *Opuntia cochinillifera* Mill., which is probably correct. T., *Sandoc sandoc*, *Dilang baca*.

### FICOIDEÆ.

**Sesuvium portulacastrum** Linn., Blanco, ed. 1, 426; ed. 2, 297.! T., *Dampalit*, *Tarumpalit*. V., *Bilang bilang*, *Dampalit*. P., *Dampalit*, *Carampalit*.

**Portulaca toston** Blanco, ed. 1, 408; **Portulaca axilliflora** Blanco, ed. 2, 285 = *Trianthema monogyna* Linn.! T., *Toston*.

**Glinus lotoides** Linn., Blanco, ed. 1, 413; ed. 2, 288.! T., *Lobio*.

**Mollugo subserata** Blanco, ed. 1, 51; ed. 2, 34. The same as the following species. T., *Malagoso*, *Molugoso*.

**Mollugo stricta** Linn., Blanco, ed. 1, 52; ed. 2, 35.! T., *Malagoso*, *Molugoso*.

### UMBELLIFERÆ.

**Hydrocotyle asiatica** Linn., Blanco, ed. 1, 212; ed. 2, 149.! T., *Taquip suso*, *Taquip cohó*.

**Ammi glaucifolium** Blanco, ed. 1, 213, non Linn.; **Daucus anisodorus** Blanco, ed. 2, 150. Reduced by Villar to *Carum copticum* Benth., which is probably correct. T., *Lamudio*, *Damoro*. B., *Lamudio*. P., *Damoro*.

**Anethum foeniculum** Linn., Blanco, ed. 1, 214; ed. 2, 150 = *Foeniculum vulgare* Mill.! T., *Haras*.

## ARALIACEÆ.

- \* *Aralia bipinnata* Blanco, ed. 1, 222; ed. 2, 157. Reduced by Villar to *Aralia javanica* Thunb., a species not known from the Philippines. A shrub, flowering in February. T., *Potat*.
- Aralia tripinnata* Blanco, ed. 1, 223; *Panax fruticosum* Blanco; ed. 2, 156 = *Panax fruticosum* Linn.! T., P., *Papua*. B., *Macan, Papua*.
- Aralia pendula* Blanco, ed. 1, 223; ed. 2, 157 = *Polyscias nodosa* Seem.! T., B., *Bongliu, Bingliu, Biasbias, Malapapaya*.
- \* *Polyscias digitata* Blanco, ed. 1, 224; *Aralia ? octophylla* Blanco, ed. 2, 158, non Lour. Reduced by Villar to *Heptapleurum rigidum* Seem., a species not known from the Philippines. Blanco's specimens were from Cebu, flowering in September. B., *Tagima*.
- Polyscias odorata* Blanco, ed. 1, 225; *Paratropia crassa* Blanco, ed. 2, 158 = *Heptapleurum venulosum* Seem.! T., *Limalima, Galamai amo*. B., *Cayangan, Taguima, Calangcang, Carangcang, Limalima, Taguilima, Tuglima*. P., *Limalima*.
- Polyscias obtusa* Blanco, ed. 1, 226; *Paratropia obtusa* Blanco, ed. 2, 226. Reduced by Villar to the preceding species, which is certainly correct.!
- \* *Naucllea digitata* Blanco, ed. 2, 102. This species is reduced by Villar to *Heptapleurum cephalotes* Clarke, a species not known from the Philippines. Very doubtful! Blanco's specimens were from Angat, Province of Bulacan, native name not given.
- \* *Polyscias disperma* Blanco, ed. 1, 226. Reduced by Villar to *Arthrophyllum diversifolium* Blume, which is certainly an error. Blanco's specimens were from the seashore, Batangas. This species is excluded from the second edition.
- \* *Polyzosus bipinnatus* Blanco, ed. 2, 43. Reduced by Villar to *Arthrophyllum pinnatum* Clarke, a species not known from the Philippines. Blanco's specimens were from Angat, Province of Bulacan, flowering in June.

## CORNACEÆ.

- Alangium octopetalum* Blanco, ed. 2, 310 = *Alangium lamarekii* Thwaites.!
- Guettarda jazminiflora* Blanco, ed. 1, 722; *Guettarda speciosa* Blanco, ed. 2, 499, non Linn. Reduced by Villar to *Marlea begoniaefolia* Roxb., which is probably correct. T., *Calumpangin, Bagaolan*.

## CAPRIFOLIACEÆ.

- Sambucus javanica* Blume, Blanco, ed. 2, 151.!



## RUBIACEÆ.

- Nauclea lutea** Blanco, ed. 1, 141; **Nauclea glaberrima** Blanco, ed. 2, 100, non Bartl. = *Sarcocephalus cordatus* Miq.! Erroneously reduced by Villar to *Sarcocephalus subditus* Miq. T., *Bangcal*. V., *Bancal*, *Cabag*, *Hanbabalos*. P., *Bancal*. I., *Bulala*.
- Nauclea glandulosa** Blanco, ed. 1, 143; **Nauclea glabra** Blanco, ed. 2, 101 = *Nauclea blancoi* Vidal.! Erroneously reduced by Villar to *Anthocephalus cadamba* Miq. T., *Bagarilat*.
- Nauclea adina** Blanco, ed. 2, 102, non Smith = *Stephegyne diversifolia* Hook. f.! This species is described in the first edition under the native name only, *Mambog*. Erroneously reduced by Villar to *Stephegyne parrifolia* Korth., a species that does not extend to the Philippines. T., *Mambog*.
- \* **Mamboga capitata** Blanco, ed. 1, 140; **Nauclea luzoniensis** Blanco, ed. 2, 102. Reduced by Villar to *Stephegyne speciosa* Korth., which is probably an error. Probably a *Nauclea* or a *Sarcocephalus*. A very large tree. T., *Mambog*.
- \* **Nauclea latifolia** Blanco, ed. 1, 144; **Nauclea obtusa** Blanco, ed. 2, 101, non ? Blume. Villar considers that Blanco was correct in reducing his species to that of Blume, but *Nauclea obtusa* Blume, has not as yet been found in the Philippines. A tree flowering in August. T., *Balod*.
- \* **Tapogomea rubra** Blanco, ed. 1, 145; **Cephaelis expaleacea** Blanco, ed. 2, 103. Reduced by Villar to *Uncaria acida* Roxb., a species not known from the Philippines. Probably, however, a species of *Uncaria*. Blanco's specimens were from Cebu, flowering in April. B., *Mampol*.
- \* **Nauclea lanceolata** Blanco, ed. 1, 144; **Nauclea calycina** Blanco, ed. 2, 101, non ? Bartl. Reduced by Villar to *Nauclea purpurea* Roxb., a species not known from the Philippines. T., *Bagarilao na itim*.
- Exostemma philippicum** Blanco, ed. 2, 113, non R. et S. = *Hymenodictyon excelsum* Wall.! T., *Huliganga*.
- Rondeletia asiatica** Blanco, ed. 1, 146, non Linn.; **Wendlandia exserta** Blanco, ed. 2, 104, non DC. = *Wendlandia luzoniensis* DC. Erroneously reduced by Villar to *Wendlandia paniculata* DC.
- Dentella repens** Forst., Blanco, ed. 1, 146; ed. 2, 103.! T., *Dilang butiqui*.
- Oldenlandia capensis** Blanco, ed. 1, 62; ed. 2, 45, non Thunb. = *Oldenlandia diffusa* Roxb.!
- Oldenlandia paniculata** Linn., Blanco, ed. 1, 61; ed. 2, 44.!
- Oldenlandia affinis** Blanco, ed. 2, 44, non R. et S. Reduced by Villar to *Oldenlandia nudicaulis* Roth., which is certainly an error, although the latter species has been found in the Philippines. Probably a form of *Oldenlandia corymbosa* Linn.

**Ophiorrhiza oblongifolia** DC., Blanco, ed. 2, 64!

**Mussaenda frondosa** Blanco, ed. 1, 167; ed. 2, 118, non Linn. = *Mussaenda grandiflora* (Meyen.) Rolfe! T., *Tingatinga*. I., *Balailamoc*.

\* **Stigmanthus cymosus** Blanco, ed. 2, 117. Reduced by Villar to *Webera odorata* Roxb., which is certainly an error, as that species does not extend to the Philippines. If a species of *Webera*, probably the same as *W. luzonensis* Vidal. Blanco's specimens were from Calauan, Province of Laguna, native name not given.

\* **Randia aculeata** Blanco, ed. 1; 141; ed. 2, 99. Reduced by Villar to *Gardenia dumetorum* Lam., which is probably an error, as the latter species is unknown from the Philippines. Blanco's specimens were from Bauang, Province of Batangas, a shrub growing on the seashore, flowering in May. T., *Sinampaga*.

\* **Remijia odorata** Blanco, ed. 2, 115. Reduced by Villar to *Randia densiflora* Benth., which may be correct, although the latter species is not known from the Philippines at the present time. Blanco's specimens were from Bauang, Province of Batangas, native name not given.

\* **Serissa myrtifolia** Blanco, ed. 1, 164; **Remijia angatensis** Blanco, ed. 2, 115. Transferred to *Randia* by Villar, as a distinct species *Randia angatensis* (Blanco) F.-Vill. A shrub, known only from Blanco's description, flowering in August, Blanco's specimens being from Angat, Province of Bulacan. T., *Caragli*.

**Serissa pinnata** Blanco, ed. 1, 163; **Remijia obscura** Blanco, ed. 2, 116 = *GARDENIA PINNATA* (Blanco) (*Gardenia obscura* Vidal; *Randia obscura* F.-Vill.). T., *Caragli*. P., *Pagbut*.

**Sulipa pseudopsidium** Blanco, ed. 1, 497; ed. 2, 347 = *Gardenia pseudopsidium* (Blanco) F.-Vill.! T., *Calapi*, *Sulipa*, *Malabayabas*.

**Ixora manila** Blanco, ed. 1, 60; ed. 2, 42 = *Scyphiphora hydrophyllacea* Gaertn.! T., *Nilad*, *Nilar*.

\* **Ixora glandulosa** Blanco, ed. 1, 61; ed. 2, 42. Reduced by Villar to *Canthium confertum* Korth, which is probably an error, as that species is unknown from the Philippines. T., *Malapatopat*.

**Ronabea bipinnata** Blanco, ed. 1, 162; **Ronabea arborea** Blanco, ed. 2, 114 = *CANTHIUM BIPINNATUM* (Blanco) (*Canthium arboreum* Vidal.). This species was erroneously referred to *Canthium mite* Bartl. by Villar. T., *Tadiang anunang*. I., *Pamalatanguen*.

**Canthium pauciflorum** Blanco, ed. 1, 165; **Canthium horridum** Blume, Blanco, ed. 2, 116. The latter name is correct. T., *Suliac daga*.

**Canthium monoflorum** Blanco, ed. 1, 166; **Canthium pedunculare** Cav., Blanco, ed. 2, 116. The latter name is correct.

\* **Vangueria stellata** Blanco, ed. 1, 167; ed. 2, 117. Reduced by Villar to *Vangueria spinosa* Roxb., which is probably an error, as Blanco's species does not appear to belong to this genus. A tree flowering in August. T., *Malaas-is*, *Madondon*.

*Ixora coccinea* Linn., Blanco, ed. 1, 59; ed. 2, 41.! Villar reduces this species to *Ixora stricta* Roxb., but Blanco describes the common cultivated form, which is apparently not a native of the Philippines. T., *Santan, Santa Ana*.

\* *Ixora arborea* Blanco, ed. 1, 61; ed. 2, 42. Reduced by Villar to *Ixora stricta* Roxb., which is certainly an error. A tree flowering in August. T., *As-as*.

\* *Taligalea umbellata* Blanco, ed. 2, 337. Reduced by Villar to *Ixora macrophylla* Bartl., which must be considered doubtful. Blanco's specimens were from Cebu, flowering in March. V., *Bagobago*.

\* *Pavetta membranacea* Blanco, ed. 1, 59; *Pavetta sambucina* Blanco, ed. 2, 41, non DC. Reduced by Villar to *Pavetta angustifolia* R. et S., which is probably an error. Blanco's species may be a form of *Pavetta indica* Linn., or a distinct species. His specimens were from Angat, flowering in September.

*Coffea arabica* Linn., Blanco, ed. 1, 156; ed. 2, 110.! Sp.-Fil., *Café*.

*Morinda litoralis* Blanco, ed. 2, 109 = *Morinda citrifolia* Linn.!

*Morinda citrifolia* Blanco, ed. 1, 149; *Morinda ligulata* Blanco, ed. 2, 105 = *Morinda bracteata* Roxb.! T., V., *Bancudo, Pancudo, Bangcoro, Nino, Culit, Tumbong aso, Lino, Mambog, Tacpus*. P., *Taliantar*. I., *Apatot*.

*Morinda royoc* Blanco, ed. 1, 148; ed. 2, 105, non Linn. = *Morinda tinctoria* Roxb.! T., *Tumbong asong hapay*.

*Morinda umbellata* Blanco, ed. 2, 110. Reduced by Villar to *Morinda microcephala* Bartl., but it is evident that Blanco correctly interpreted the Linnean species.

\* *Coffea volubilis* Blanco, ed. 1, 157; ed. 2, 111. Reduced by Villar to *Morinda tinctoria* Roxb., which may be correct. A scandent shrub, flowering in August. T., *Halon*.

*Pæderia tacpo* Blanco, ed. 1, 160; ed. 2, 113 = *Psychotria tacpo* (Blanco) Rolfe.! Erroneously reduced by Villar to *Psychotria malayana* Jack. T., *Tacpo*.

*Pæderia fœtida* Blanco, ed. 1, 159; ed. 2, 112, non Linn. = *Pæderia tomentosa* Blume.! T., *Cantotai*. B., *Lilitan*. P., *Cantotai, Dicut maboloc, Mabatang dicut*.

*Spermacoce mutilata* Blanco, ed. 2, 43 = *Spermacoce hispida* Linn.!

*Spermacoce muriculata* Blanco, ed. 2, 44. This species is reduced by Villar to *Spermacoce scaberrima* Blume, probably a form of the preceding species. Blanco's specimens were from Guadalupe, near Manila.

## COMPOSITÆ.

*Serratula multiflora* Blanco, ed. 1, 617; ed. 2, 431, non Linn. = *Vernonia chinensis* Less.! T., *Bayaquiboc*.

*Elephantopus scaber* Linn., Blanco, ed. 1, 634; ed. 2, 441.!

- Elephantopus serratus** Blanco, ed. 1, 635; ed. 2, 442. Reduced by Villar to *Elephantopus mollis* HBK., which is probably correct.
- Ageratum quadriflorum** Blanco, ed. 1, 624; **Elephantopus ? dubius** Blanco, ed. 2, 442 = *Elephantopus spicatus* B. Juss.! T., *Dilang usa*, *Tabatabacohan*, *Sigang dagat*. P., *Sumag*. B., *Habul*, *Ardotag*. I., *Cabcabron*.
- Eupatorium ayapana** Vent., Blanco., ed. 1, 619; ed. 2, 432.! Sp.-Fil., *Ayapana*.
- Knautia sagittata** Blanco, ed. 1, 54; ed. 2, 36 = *Mikania scandens* Willd.!
- Perdicum tomentosum** Blanco, ed. 1, 630; ed. 2, 439 = *Grangca maderaspatana* Poir.!
- \* **Baccharia ivæfolia** Blanco, ed. 1, 627; ed. 2, 437, non Linn. Reduced by Villar to *Conyza viscidula* Wall., which may be correct. B., *Tagabili*.
- \* **Conyza gouani** Blanco, ed. 1, 629, non Wild.; **Conyza erosa** Blanco, ed. 2, 439. Reduced by Villar to *Blumea manillensis* DC., which may be correct.
- Conyza balsamifera** Linn., Blanco, ed. 1, 628; ed. 2, 438 = *Blumea balsamifera* DC.! T., *Sambon*. V., *Lacdanbulan*, *Hamlibon*, *Lalacdan*, *Lacad bulan*, *Guintenguinten*, *Gabuen*, *Ayoban*, *Alibun*. P., *Sambon*. I., *Sobsob*.
- Baccharis indica** Linn., Blanco, ed. 1, 627; ed. 2, 438 = *Pluchea indica* (Linn.) Less.!
- Sphæranthus alatus** Blanco, ed. 1, 635.; **Sphæranthus indicus** Blanco, ed. 2, 442, non Linn. = *Sphæranthus africanus* L.! T., *Sambong gala*.
- Sphæranthus elongatus** Blanco, ed. 1, 636; ed. 2, 443 = *Pterocaulon cylindrostachyum* Clarke.! T., *Sambong gala*.
- Xeranthemum stæhelina** Blanco, ed. 1, 629; non Don.; **Gnaphalium dichotomum** Blanco, ed. 2, 439, non Wild = *Gnaphalium luteo-album* Linn.! Reduced by Villar to *Gnaphalium indicum* Linn. Blanco's specimens were from Ago, Province of Union. I., *Badoc*.
- \* **Conyza dentata** Blanco, ed. 1, 629, non Linn.; **Conyza cappa** Blanco, ed. 2, 438, non Ham. Reduced by Villar to *Inula cappa* DC., which is certainly an error. Possibly a species of *Blumea*.
- Anthemis cotula** Blanco, ed. 1, 633, non Linn.; **Artemesia viridis** Blanco, ed. 2, 436, non Linn. = *Eclipta alba* Hassk.! T., *Higuís manoc*. I., *Tintatinta*.
- Spilanthes acmella** Blanco, ed. 1, 420; ed. 2, 433, non DC. = *Wedelia biflora* DC.! Villar considers that Blanco correctly interpreted DeCandolle's species, but his description certainly applies to *Wedelia biflora* DC. T., *Hagonoi*. V., *Agonoi*. P., *Palunai*.
- Spilanthes lobata** Blanco, ed. 1, 622; ed. 2, 434 = *Spilanthes acmella* Linn.! T., *Hagonoi*.
- Spilanthes peregrina** Blanco, ed. 1, 622; ed. 2, 434. Certainly only a form of *Wedelia biflora* DC.! T., *Hagonoi*.

- Coreopsis gracilis** Blanco, ed. 2, 591 = *Cosmos caudatus* HBK.!
- Bidens bipinnata** Blanco, ed. 1, 623; ed. 2, 435 = *Bidens pilosa* Linn.!
- Tagetes patula** Linn., Blanco, ed. 1, 632; ed. 2, 440. Cultivated only. Sp.-Fil., *Amarillo*.
- Matricaria chamomilla** Blanco, ed. 1, 631; ed. 2, 440, non Linn. = *Chrysanthemum indicum* Linn. Sp.-Fil., *Manzanilla*.
- Cotula quinqueloba** Blanco, ed. 1, 626; ed. 2, 436 = *Centripeda orbicularis* Lour. T., V., *Harangan*. V., *Pissie*.
- Artemesia vulgaris** Linn., Blanco, ed. 1, 625; ed. 2, 435. The identification of this species seems to be correct. T., *Ca Maria, Santa Maria, Tinisas*.
- \* **Cacalia sarrazenica** Blanco, ed. 1, 618; non Linn.; **Senecio cacaliaster** Blanco, ed. 2, 441, non Lam. Reduced by Villar to *Gynura angulosa* DC., a species that is not known from the Philippines. Flowering in August. T., *Sampaga del monte*.
- Cacalia sonchifolia** Linn., Blanco, ed. 1, 618; **Emilia sonchifolia** (Linn.) DC. Blanco, ed. 2, 432. The second name is correct. T., *Tagolinao*. P., *Tagulinao*. B., *Libun*.
- Carthamus tinctorius** Linn., Blanco, ed. 1, 616; ed. 2, 431. T., *Biri, Casubha, Lago*. V., *Casabha*. P., *Casubha, Cachumba*.

### GOODENIACEÆ.

- Scaevola lobelia** Blanco, ed. 1, 147; ed. 2, 104, non Murr. = *Scaevola koenigii* Vahl. T., V., *Boto, Bosboron, Mosboron, Bocaboc, Panabolong, Pangangtolong*. Z., *Linog*.

### CAMPANULACEÆ.

- Pongatium spongiosum** Blanco, ed. 1, 86; **Sphenoclea zeylanica** Gaertn., Blanco, ed. 2, 62. The latter name is correct. T., *Silisilihan*.
- Reichelia palustris** Blanco, ed. 1, 220; ed. 2, 155. The same as the preceding.!

### ERICACEÆ.

- Clethra alnifolia** Blanco, ed. 2, 259, non Linn. = *Clethra lancifolia* Turcz. T., *Malaciac*.

### PLUMBAGINACEÆ.

- Plumbago viscosa** Blanco, ed. 1, 78; ed. 2, 58 = *Plumbago zeylanica* Linn. T., *Sangdigquit*. I., *Bangbang, Talancao*.

### MYRSINACEÆ.

- Bassovia sylvatica** Blanco, ed. 2, 95. Reduced by Villar to *Maesa indica* A. DC., a species that does not extend to the Philippines. Probably the same as the species described by Mez as *Maesa laxa*. Blanco's specimens were from Angat, a small shrub, flowering in February. T., *Solinao*.

**Maesa membranacea** Blanco, ed. 2, 590, non A. DC. = *Maesa cumingiana* Mez.!

**Bladhia japonica** Blanco, ed. 1, 126; ed. 2, 90, non Thunb. Reduced by Villar to *Ardisia pyramidalis* Pers. = *Ardisia serrata* (Cav.) Pers. Questionably referred here by Mez, but Villar is probably correct. Flowering in August. T., *Tacpong dalaga*.

**Willughbeia drupacea** Blanco, ed. 1, 132; ed. 2, 94. This species is reduced by Villar to *Ardisia obovata* Blume, which is a synonym of *Ardisia humilis* Vahl., certainly correctly referred.!

**Aegiceras corniculatum** (Linn.) Blanco, ed. 1, 79; ed. 2, 59. This name is correct, *Aegiceras majus* Gaertn., is a synonym. T., *Tingang baguis*, *Pipisic*.

### SAPOTACEÆ.

**Achras lucuma** Blanco, ed. 1, 237; ed. 2, 166, non Ruiz et Pav. = *Lucuma mammosa* Gaertn.! T., *Mamei*.

**Sideroxylon duclitan** Blanco, ed. 1, 129; ed. 2, 92. A distinct species, flowering in September. T., *Duclitan*, *Dulitan*.

\* **Sideroxylon balitbitan** Blanco, ed. 1, 130; ed. 2, 92. Probably a distinct species, but certainly closely related to the preceding. T., *Balitbitan*.

**Achras sapota** Linn., Blanco, ed. 1, 236; ed. 2, 165.! Sp.-Fil., *Chicos*.

**Palaquium lanceolatum** Blanco, ed. 1, 403; ed. 2, 282.! A distinct species. T., *Bagalanagit*.

**Palaquium latifolium** Blanco, ed. 1, 404; ed. 2, 282.! A distinct species. T., *Palac palac*.

**Palaquium oleiferum** Blanco, ed. 1, 405; ed. 2, 283.! A species closely related to the preceding. I., *Daracan*.

**Azaola betis** Blanco, ed. 1, 402; ed. 2, 281 = *Illipe betis* (Blanco) Merrill (*Payena betis* F.-Vill.). T., P., *Betis*.

### EBENACEÆ.

**Diospyros pilosanthera** Blanco, ed. 1, 304; ed. 2, 211. A good species. T., *Bolong eta*. B., *Dalondong*, *Amaga*.

**Diospyros multiflora** Blanco, ed. 1, 303, non Wall.; **Diospyros lotus** Blanco, ed. 2, 210, non Linn. = *Diospyros canomoi* A. DC.! A distinct species. T., *Canomoi*, *Canomai*.

\* **Diospyros biflora** Blanco, ed. 1, 303; ed. 2, 210. Possibly a good species, at present known only from Blanco's description. A tree flowering in June. T., *Talang*.

\* **Diospyros kaki** Blanco, ed. 2, 211, non ? L. f. Possibly this may be the same as the species described under this name by Linnaeus, f., and Villar so considers it. Blanco's specimens were from Mahaihai, Province of Laguna, known there as *Pagatpat*. Blanco had only fruits. *Diospyros kaki* of the second edition is entirely different from *D. kaki* of the first edition.

**Sapota nigra** Blanco, ed. 1, 409; **Diospyros nigra** Blanco, ed. 2, 211 = *Diospyros ebenaster* Retz.! Sp.-Fil., *Zapote negro*.

**Diospyros kaki** Blanco, ed. 1, 302, non Linn.; **Diospyros embryopteris** Blanco, ed. 2, 209, non Pers. = *Diospyros philippensis* (Desr.) Gurke! (*D. discolor* Willd.). T., *Talang*, *Mabolo*. V., *Amaga*. P., *Talang*.

### STYRACEÆ.

**Guettarda polyandra** Blanco, ed. 2, 500 = *Symplocos polyandra* (Blanco?) A. Brand. Villar erroneously refers this species to *Symplocos racemosa* Roxb.

### OLEACEÆ.

**Nyctantes sambac** Linn., Blanco, ed. 1, 9; ed. 2, 6 = *Jasminum sambac* (Linn.) Ait. T., *Sampaga*. V., *Capopot visaya*, *Manul*. P., *Campopot*, *Sampagang pougso*, *Culatai*.

\* **Mogorium aculeatum** Blanco, ed. 1, 9; ed. 2, 7. Reduced by Villar to *Jasminum marianum* DC., but this species is not known from the Philippines. Possibly a distinct species of *Jasminum*. Flowering in May.

### SALVADORACEÆ.

**Azima nova** Blanco, ed. 1, 68; ed. 2, 49. Considered by Vidal as a distinct species, although reduced by Villar to *Azima tetracantha* Lam. It may be the same as *Azima sarmentosa* Blume.

### APOCYNACEÆ.

**Allamanda cathartica** Linn., Blanco, ed. 2, 64.!

**Brabejum ? lucidum** Blanco, ed. 2, 40 = GYNOPOGON MONILIFERA (Vid.). (*Alyxia monilifera* Vid.). Erroneously reduced by Villar to *Alyxia stellatum* R. et S. Blanco's specimens were from the pueblo of Bolohan, Cebu. V., *Layo*.

\* **Brabejum ? concatenatum** Blanco, ed. 2, 40. Reduced by Villar to *Alyxia laurina* Gaud., a species not known from the Philippines. Blanco's specimens were from Cebu. Probably a distinct species of *Gynopogon*.

\* **Brabejum ? pinnatum** Blanco, ed. 2, 40. Reduced by Villar to *Alyxia odorata* Wall., which is probably an error. Blanco's specimens were from Cebu. Probably a distinct species of *Gynopogon*. V., *Layo*.

**Cerbera thevetia** Linn., Blanco, ed. 1, 125; ed. 2, 89 = *Thevetia neriiifolia* Juss.! Introduced from America. Sp.-Fil., *Campanelo*.

**Cerbera manghas** Blume, Blanco, ed. 1, 125; ed. 2, 89 = *Cerbera odollam* Gaertn.! T., *Toctoc calo*.

\* **Elcana seminuda** Blanco, ed. 2, 584. Reduced by Villar to *Cerbera lactaria* Ham., a species that does not extend to the Philippines. Possibly a species of *Cerbera*. Blanco's specimens were from Angat, Province of Bulacan.

**Vinca rosea** Linn., Blanco, ed. 1, 116; ed. 2, 84.! T., *Cantotan*.

- Plumeria alba** Blanco, ed. 1, 111; ed. 2, 80, non Linn. = *Plumeria acutifolia* Poir. T., *Carachucha*, *Calachuchi*, *Calasasi*.
- Echites scholaris** Linn., Blanco, ed. 1, 106; ed. 2, 77 = *Alstonia scholaris* (Linn.) R. Br.! T., *Dita*. I., *Dalloparen*.
- Echites trifida** Blanco, ed. 1, 109; ed. 2, 79, non Jacq. Reduced by Villar to *Alstonia spectabilis* Miq., but it is certainly *Alstonia macrophylla* Wall.! T., *Cayaocayao*, *Batino*.
- Alstonia batino** Blanco, ed. 2, 589 = *Alstonia macrophylla* Wall.! T., *Batino*.
- Tabernaemontana globosa** Blanco, ed. 1, 116; ed. 2, 83 = *Voacanga cumingiana* Rolfe (V. *foetida* F.-Vill., non Blume). A small tree flowering in August. T., *Bayag usa*.
- Tabernaemontana laurifolia** Blanco, ed. 1, 114; ed. 2, 82, non Linn. = *Tabernaemontana pandacaqui* Poir.! T., *Campopot*, *Pandacaqui*. B., *Alibutbut*, *Toar*, *Pandaya*. P., *Pandacaqui*. I., *Curribuetbuet*.
- \* **Tabernaemontana polygama** Blanco, ed. 2, 82. Considered by Villar to be a distinct species. Blanco's specimens were from Parañaque and Mandoloyon, near Manila, flowering in May.
- Echites repens** Blanco, ed. 1, 109, non Jacq.; **Echites procumbens** Blanco, ed. 2, 78 = *HOLARRHENA PROCUMBENS* (Blanco). Erroneously reduced by Villar to *Holarrhena macrocarpa* (Hassk.) F.-Vill. See Nos. 1844 and 3299 Merrill, and No. 298 Whitford. T., *Malayantoc*, *Hinguin*.
- Echites spiralis** Blanco, ed. 1, 110; ed. 2, 79 = *Parsonsia rheedii* F. Vill.! This species is figured in the third edition of the *Flora de Filipinas*, t. 310, also by Vidal, Sinopsis, Atlas, t. 66. f. E., while a full description is given by Vidal, Revision, 184.
- Anasser laniti** Blanco, ed. 1, 112; ed. 2, 81 = *WRIGHTIA LANITI* (Blanco) (*Wrightia ovata* A. DC.!). Blanco's name is the earliest for this species and should be retained. T., *Laniti*.
- Nerium oleander** Blanco, ed. 1, 104; ed. 2, 75, non Linn. = *Nerium odorum* Soland.! Sp.-Fil., *Adelfa*. T., *Baladre*.
- Echites caudata** Blanco, ed. 1, 106; ed. 2, 77, non Linn. = *Ichnocarpus navesii* Rolfe.! Erroneously reduced by Villar to *Ichnocarpus frutescens* R. Br. T., *Hinguio*.
- Tabernaemontana elliptica** Blanco, ed. 1, 116; ed. 2, 83, non Thunb. = *Choneomorpha macrophylla* Wall.! Blanco's specimens were from Tala, Province of Rizal or Bulacan, a scandent shrub, flowering in July.

### ASCLEPIADACEÆ.

- \* **Tabernaemontana cirrhosa** Blanco, ed. 1, 115; ed. 2, 83. Reduced by Villar to *Finlaysonia obovata* Wall., which is certainly an error. Blanco's specimens were from Bauang, Province of Batangas, a scandent shrub growing along the seashore, in situations subject to inundation.



- \* **Apocynum mucronatum** Blanco, ed. 1, 852; ed. 2, 143. Reduced by Villar to *Toxocarpus gracilis* Deene., which is very doubtful. A vine flowering in May.
- Asclepias gigantea** Willd., Blanco, ed. 1, 207; ed. 2, 146 = *Calotropis gigantea* R. Br.! T., *Capalcapal*.
- Asclepias syriaca** Blanco, ed. 1, 204; ed. 2, 144, non Linn. = *Asclepias curassavica* Linn.! T., *Bulac castila*.
- \* **Cynanchum viminale** Blanco, ed. 1, 203; ed. 2, 143, non ? Linn. Villar considers that Blanco describes the Linnean species, but this is probably an error, unless Blanco described an introduced plant. Blanco's species may be referable to *Sarcostemma brevistigma* W. et A. A vine, flowering in February, known in Manila as *Mil leguas*.
- \* **Asclepias peregrina** Blanco, ed. 1, 207; ed. 2, 146. Reduced by Villar to *Sarcolobus carinatus* Wall., which is certainly an error. Blanco's specimens were from Bauang, Province of Batangas, growing in situations subject to inundation, along the seashore.
- Asclepias dæmia** Blanco, ed. 1, 208; ed. 2, 146, non Forsk. Reduced by Villar to *Gymnema tingens* W. et A., which is probably correct.
- Cynanchium tenellum** Blanco, ed. 1, 204; ed. 2, 143, non Linn. Reduced by Villar to *Tylophora perrottetiana* Deene., which is probably correct.
- Marsdenia akkar** Blanco, ed. 1, 118; ed. 2, 85. Reduced by Villar to *Marsdenia tinctoria* R. Br., which is probably correct. B., *Payanguit*, *Aringit*.
- \* **Marsdenia tagudina** Blanco, ed. 1, 121; ed. 2, 86. Considered by Villar to be a distinct species. Blanco's specimens were from the pueblo of Taguding, Province of Ilocos Sur. 1., *Tayomtayom*.
- \* **Pergularia glandulosa** Blanco, ed. 1, 202; ed. 2, 141. Reduced by Villar to *Pergularia minor* Andr., which is probably an error. Blanco's specimens were from Bauang, Province of Batangas, flowering in July.
- \* **Pergularia procumbens** Blanco, ed. 1, 204; **Pergularia glabra** Blanco, ed. 2, 141. Considered by Villar to be a distinct species, possibly however a synonym of *Pergularia odoratissima* Sm. Blanco's specimens were from Manila. T., *Mil leguas*.
- Stapelia quadrangula** Blanco, ed. 1, 202; ed. 2, 142, non Forsk. = *Heterostemma cuspidatum* Deene.! T., *Biniguasan*.
- Cynanchium hirtum** Blanco, ed. 1, 203; ed. 2, 143, non Linn. Reduced by Villar to *Dregea viridiflora* (DC.) F.-Vill., which is probably correct. Blanco's specimens were from Malinta, near Manila.
- \* **Stapelia meliflua** Blanco, ed. 1, 202; ed. 2, 142. Reduced by Villar to *Hoya diversifolia* Blume, a species not known from the Philippines. Certainly a species of *Hoya*, but not that species. A vine, flowering in June. T., *Baliebalie*.
- \* **Hoya carnosa** Blanco, non ? R. Br., ed. 2, 142. Identification possibly correct. Blanco's specimens were from cultivated plants.

\* **Marsdenia parasita** Blanco, ed. 1, 120; ed. 2, 86. Reduced by Villar to *Hoya parasitica* Wall., which is certainly an error. Certainly, however, a species of *Hoya*! Blanco's specimens were epiphytes growing on *Erythrina* and on *Mangifera*, flowering in May, fruiting in June.

**Asclepias carnosus** Blanco, ed. 1, 208; ed. 2, 147 = *Hoya multiflora* Blume.!

### LOGANIACEÆ.

**Buddleia virgata** Blanco, ed. 1, 57; ed. 2, 38, non Linn. Reduced by Villar to *Buddleia ncemda* Hamilt., but certainly is *Buddleia asiatica* Lour.! T., *Taliconono*. I., *Tuguang*. B., *Lagundi salasa*.

**Fagraea scholaris** Blanco, ed. 2, 93. Reduced by Villar to *Fagraea cordifolia* Blume, a species not known from the Philippines. Probably the same as *Fagraea morindaefolia* Blume. T., *Cabal*.

\* **Tayotum nigrescens** Blanco, ed. 1, 105; ed. 2, 76. Reduced by Villar to *Norrisia malaccensis* Gardn., which is undoubtedly an error. Blanco's specimens were from Angat, Province of Bulacan, a shrub flowering in June. T., *Saguing saguing*, *Tayoto*.

**Ignatia amara** Linn. f., Blanco, ed. 1, 82; **Strychnos philippensis** Blanco, ed. 2, 61 = *Strychnos ignatii* Berg.! Retained under the second name by Villar. For full synonymy see Hooker's *Icones*, Vol. 25: pl. 2212, 2213. T., *Pepita*, *Fruta*. P., *Pepita sa catbalogan*. V., *Pangaguason*, *Aguaon*, *Canlara*, *Mana-naog*, *Dancagi*, *Catalonga*, *Igasud*.

### GENTIANACEÆ.

**Exacum albens** Blanco, ed. 1, 58; ed. 2, 39, non Linn. f. Reduced by Villar to *Exacum chironioides* Griseb., probably, however, the same as *Exacum tetragonum* Roxb.

**Cobamba dichotoma** Blanco, ed. 1, 510; ed. 2, 355. Reduced by Villar to *Canscoria diffusa* R. Br., which is certainly correct.! T., *Codamba*.

\* **Codamba blancoi** Azaola, in Blanco, ed. 2, 591. Reduced by Villar to *Canscoria decussata* R. et S., which is certainly an error. The material on which this species was based was from Gumai, Province of Pampanga. A form of the preceding species.?

**Menyanthes indica** Bory, Blanco, ed. 1, 87; ed. 2, 63 = *Limnanthemum cristatum* Griseb.! T., *Lauas*. I., *Locloquisin*.

### HYDROPHYLLACEÆ.

**Hydrolea arayatensis** Blanco, ed. 1, 211; **Hydrolea zeylanica** Vahl., Blanco, ed. 2, 148. The second name is correct.

### BORAGINACEÆ.

**Cordia banalo**, Blanco, ed. 1, 124; **Cordia ? ignota** Blanco, ed. 2, 88 = *Cordia subcordata* Lam.! T., *Banalo*.

- Cordia sebestena** Blanco, ed. 1, 121; ed. 2, 87, non Linn. = **Cordia dichotoma** Blanco, ed. 1, 123; ed. 2, 88, non Forst. = *Cordia blancoi* Vidal! Erroneously referred to *Cordia myxa* by Villar. T., *Anonang*. V. *Anonang*, *Bilibi*.
- Ehretia beurreria** Blanco, ed. 1, 127; ed. 2, 91, non Linn. = *Ehretia philippinensis* A. DC.!
- Ehretia virgata** Blanco, ed. 1, 127; ed. 2, 165, non Swartz. = *Ehretia onava* A. DC.! T., *Onava*.
- Menais mollis** Blanco, ed. 1, 139; ed. 2, 99 = *Ehretia navesii* Vidal (*Ehretia mollis* Merrill). This species was erroneously referred by Villar to the preceding species. T., *Taglocot*.
- Carmonia heterophylla** Cav., Blanco, ed. 1, 209; ed. 2, 147 = *Ehretia buxifolia* Roxb.! T., B., *Alanguit*, *Alangitngit*.
- Coldenia procumbens** Linn., Blanco ed. 1, 74; ed. 2, 56.! T., *Tapiasin*, I., *Tabtabocol*.
- Tournefortia arborea** Blanco, ed. 1, 129; ed. 2, 91 = *Tournefortia argentea* Linn. f.!
- Tournefortia hirsutissima** Blanco, ed. 1, 128; ed. 2, 91, non Linn. = *Tournefortia sarmentosa* Linn.! V., *Patai ood*. I., *Sallacapo*.
- Heliotropum parviflorum** Blanco, ed. 1, 80; ed. 2, 59 = *Heliotropum indicum* Linn.! T., *Hinlaylayon*, *Cotingcotingan*.
- Borago indica** Linn., Blanco, ed. 2, 60. Reduced by Villar to *Trichodesma indicum* R. Br., which is probably correct. Blanco's specimens were from Paranaque, near Manila.
- Borago indica** Blanco, ed. 1, 81, non Linn.; **Borago africana** ? Blanco, ed. 2, 60 = *Trichodesma zeylanicum* R. Br.! T., *Sigang dagat*, *Dilanus*.

## CONVOLVULACEÆ.

- Convolvulus muricatus** Blanco, ed. 1, 92; ed. 2, 68, non Linn. = *Ipomœa bona-nox* Linn.! T., *Camo camotihan*.
- Ipomœa quamoclit** Linn., Blanco, ed. 1, 97; ed. 2, 72 = *Quamoclit vulgaris* Choisy.! T., *Agoho*.
- Convolvulus nil** Linn., Blanco, ed. 1, 92; ed. 2, 68 = *Ipomœa nil* (Linn.), Roth.! Erroneously reduced by Villar to *Ipomœa hederacea* Jacq.
- Convolvulus repens** Blanco, ed. 1, 92; ed. 2, 68 = *Ipomœa reptans* (Linn.) Poir.! T., P., *Cangcong*. V., *Tancong*.
- Convolvulus pes-caprae** Linn., Blanco, ed. 1, 88; ed. 2, 65 = *Ipomœa pes-caprae* (Linn.) Roth.! T., B., *Catang catang*, *Lagayrai*, *Lampayong*, *Bagasua*, *Camigang*, *Daripay*, *Tagaray*, *Arodayday*, *Lambayong*. I., *Lambayong*.
- Convolvulus batatas** Linn., Blanco, ed. 1, 93; ed. 2, 68 = *Ipomœa batatas* (Linn.) Lam.! T., *Camoti*.

- Chironia capsularis** Blanco, ed. 1, 102; **Chironia lanosanthera** Blanco, ed. 2, 71 = *Ipomœa nymphæfolia* (Blume) Hallier.! Erroneously reduced by Villar to *Ipomœa peltata* Choisy. T., *Bulacan*.
- \* **Convolvulus distillatorius** Blanco, ed. 1, 95; ed. 2, 70. This species was reduced by Villar to *Ipomœa campanulata* Linn., which is certainly an error. Probably a species of *Erycibe*. V., *Bulacan*, *Buracan*.
- Convolvulus maximus** Blanco, ed. 1, 91; ed. 2, 67, non Linn. = *Operculina turpethum* S. Manso.!
- Convolvulus catharticus** Blanco, ed. 1, 94; **Convolvulus longiflorus** Spreng., Blanco, ed. 2, 69 = *Ipomœa glaberrima* Boj.! Reduced by Villar to *Ipomœa longiflora* R. Br. T., *Bulacan*.
- Convolvulus colubrinus** Blanco, ed. 2, 66. Reduced by Villar to *Ipomœa muricata* Jacq., which is probably correct. Introduced and cultivated.
- Ipomœa pes-tigridis** Linn., Blanco, ed. 1, 97; ed. 2, 71.!
- Ipomœa hepaticifolia** Blanco, ed. 2, 72, non Linn. Reduced by Villar to *Ipomœa angustifolia* Jacq., but this is certainly an error. Probably a form of *Merremia umbellata* var. *orientalis* Hallier f. Blanco's specimens were from Parañaque, near Manila, flowering in January.
- Convolvulus paniculatus** Linn., Blanco, ed. 1, 96; ed. 2, 70 = *Ipomœa paniculata* (Linn.) R. Br.! T., *Puntas puntas*.
- Convolvulus dentatus** Blanco, ed. 1, 89; ed. 2, 66, non Vahl. = *Ipomœa blancoi* Choisy.!
- Polemonium obscurum** Blanco, ed. 1, 103; ed. 2, 75. Reduced by Villar to *Lepistemon flavesceus* Blume, which is probably correct. Blanco's specimens were from Bauang, Tayabas, and from Santiago, Ilocos Sur, flowering in January.
- Convolvulus reniformis** Roxb., Blanco, ed. 1, 91; ed. 2, 67 = *Merremia emarginata* Hallier.! Reduced by Villar to *Lepistemon reniformis* Hassk. T., *Bato bato*. I., *Cupit cupit*.
- Convolvulus hederaceus** Blanco, ed. 1, 90; ed. 2, 66, non Linn. = *Hewittia bicolor* Wight.!
- Evolvulus linifolius** Blanco, ed. 1, 221; ed. 2, 156. Reduced by Villar to *Evolvulus alsinoides* Linn., which is probably correct.
- \* **Porania volubilis** Blanco, ed. 1, 88; ed. 2, 64. Considered by Villar to be identical with *Porania volubilis* Burm., which may be correct. Blanco's specimens were from Cebu. V., *Bulacan*.
- \* **Convolvulus valerianoides** Blanco, ed. 1, 90; **Convolvulus boerhaavoides** ed. 2, 67. Reduced by Villar to *Breweria*, as a distinct species. *B. valerianoides* (Blanco) F.-Vill. This species is known only from Blanco's description, his specimens being from Santiago Point, Province of Batangas.

## SOLANACEÆ.

- Solanum lycopersicum** Linn., Blanco, ed. 1, 134; ed. 2, 96 = *Lycopersicum esculentum* Mill.! T., *Camatis*, *Tomates*.

- Solanum nigrum** Linn., Blanco, ed. 1, 134; ed. 2, 96.! T., *Cunti, Onti, Gamagamatisan*. V., *Lagpacum, Bolagtob, Lubilubi*. C., *Cuti, Lubilubi*.
- Solanum mauritianum** Blanco, ed. 1, 134; ed. 2, 96, non Scop. = *Solanum verbascifolium* Linn.! V., *Noog noog*.
- Solanum zeylanicum** Blanco, ed. 1, 136; ed. 2, 97, non Scop. = *Solanum ferax* Linn.! T., *Talong gubat, Tarambolo*.
- Solanum melongena** Linn., Blanco, ed. 1, 135; ed. 2, 96.! T., *Talong*.
- Solanum coagulans** Blanco, ed. 1, 135; ed. 2, 97, non Jacq. Reduced by Villar to *Solanum sanctum* Linn., but is probably only a variety of *Solanum melongena* Linn. T., *Tarumbulo, Tangantangan*.
- Solanum sinense** Blanco, ed. 1, 137; **Solanum tuberosum** Linn., Blanco, ed. 2, 97. The latter name is correct.!
- Physalis peruviana** Linn., Blanco, ed. 1, 138; ed. 2, 98.! T., *Potocan*.
- Physalis angulata** Linn., Blanco, ed. 1, 138; ed. 2, 99.! I., *Tuttullacac*.
- Physalis pubescens** Linn., Blanco, ed. 1, 138; ed. 2, 98.!
- \* **Solanum serratum** Blanco, ed. 1, 136; ed. 2, 97. Reduced by Villar to *Physalis indica* Linn., which is probably correct. Blanco's specimens were from Pasig, Province of Rizal, flowering in January.
- Capsicum minimum** Roxb., Blanco, ed. 1, 133; ed. 2, 95.! T., *Pasitis*.
- Datura metel** Blanco, ed. 1, 98; ed. 2, 72, non Linn., = *Datura fastuosa* Linn., var.! Villar considers that Blanco's species is the same as *Datura alba* Nees. P., T., *Talamponai*. V., *Tarvibung*.
- Datura fastuosa** Linn., Blanco, ed. 1, 100; ed. 2, 73.! T., *Talamponai na itim*.
- Nicotiana tabacum** Linn., Blanco, ed. 1, 101; ed. 2, 74.! Sp.-Fil., *Tabaco*.
- \* **Nicotiana fruticosa** Linn., ? Blanco, ed. 2, 74. **V. frutescens** Blanco, ed. 1, 101. This species may be the same as the form described by Linnaeus. Blanco's specimens were from the pueblo of San Jose, Batangas.
- \* **Nicotiana pusilla** Blanco, ed. 1, 100; ed. 2, 74. Reduced by Villar to *Nicotiana rustica* Linn., but this reference is very doubtful. Blanco's specimens were from a garden in Manila.

### SCROPHULARIACEÆ.

- Stemodia ruderalis** Blanco, ed. 1, 498; ed. 2, 348, non Linn. = *Lindenbergia philippensis* (Cham.) Benth.!
- Tala odorata** Blanco ed. 1, 485; ed. 2, 338. Reduced by Villar to *Limnophila menthastrum* Benth., but certainly the same as *Limnophila roxburghii* G. Don.! T., *Tala, Taramhampan*. P., *Talatala*. I., *Taratara*.
- \* **Diceros stoloniferus** Blanco, ed. 2, 349. Reduced by Villar to *Limnophila repens* Benth., which is certainly an error. May be *Limnophila conferta* Benth. Sp.-Fil., *Oregano*.

**Calytriplex obovata** Ruiz. et Pav., Blanco, ed. 2, 361. **Thunbergia stolonifera** Blanco, ed. 1, 517 = *Herpestes monniera* H. B. K.! T., *Olasamang aso*.

**Legazpia triptera** Blanco, ed. 2, 339 = *Torenia polygonoides* Benth.!

**Mimulus violaceus** Blanco, ed. 2, 357 = *Torenia peduncularis* Benth.!

\* **Vandellia multiflora** Blanco, ed. 1, 505, non Don. Reduced by Villar to *Torenia asiatica* Linn., which may be correct. A small plant, flowering in October. This species is not included in the second edition.

\* **Torenia paniculata** Blanco, ed. 1, 486; ed. 2, 339. This species is retained by Villar as distinct, which must be considered doubtful, as Blanco states that the plant is very common, although at present it is known only from Blanco's description.

**Vandelia soriana** Blanco, ed. 1, 506; **Torenia soriana** Blanco, ed. 2, 340. Retained by Villar as a distinct species, but is apparently the same as *Vandelia peduncularis* Benth. Blanco's specimens were from Malinta and Guadalupe, near Manila, flowering in October.

**Kyrtandra personata** Blanco, ed. 1, 18; **Cyrtandra personata** Blanco, ed. 2, 13. Reduced by Villar to *Bonnaya brachiata* Link et Otto, which is probably correct.

**Gratiola hyssopioides** Blanco, ed. 1, 11; ed. 2, 8, non Linn. Reduced by Villar to *Bonnaya reptans* Spreng., which is probably correct. Flowering in January.

**Kyrtandra serrata** Blanco, ed. 1, 18. Reduced by Villar to *Bonnaya veronicaefolia* Spreng., which may be correct. This species is not included in the second edition.

**Kyrtandra capsularis** Blanco, ed. 1, 17; **Cyrtandra glaberrima** Blanco, ed. 2, 12. Certainly the same as the preceding.!

**Scoparia dulcis** Linn., Blanco, ed. 1, 55; ed. 2, 37. T., *Chachachachahan*.

## OROBANCHACEÆ.

**Æginetia indica** Roxb., Blanco, ed. 2, 342. T., *Dagatan*.

## GESNERIACEÆ.

\* **Hydrocotyle monopetala** Blanco, ed. 1, 213; **Ophiorhiza triandra** Blanco, ed. 2, 65. This species was reduced by Villar to *Epithema*, as a distinct species, *Epithema triandrum* (Blanco) F.-Vill. If a species of *Epithema*, possibly the same as *Epithema benthami* Clarke. A small plant, flowering in December.

\* **Kyrtandra aristata** Blanco, ed. 1, 18; **Cyrtandra aristata** Blanco, ed. 2, 13. Referred by Villar to *Didymocarpus*, as a distinct species *D. aristata* (Blanco) F.-Vill., which reference must be considered doubtful. Blanco's specimens were from Malinta, near Manila, flowering in October. Probably not a species of this family.

## BIGNONIACEÆ.

- Bignonia quadripinnata** Blanco, ed. 1, 499; ed. 2, 349 = *Oroxylum indicum* (Linn.) Vent.! T., *Pincapincahan*, *Pincapinca*, *Taghilao*, *Abangabang*.
- Bignonia spathacea** Linn., Blanco, ed. 1, 499; **Spathodea luzonica** Blanco, ed. 2, 350 = *Dolichandrone spathacea* (Linn.) K. Sch.! T., *Tue*.
- Millingtonia quadripinnata** Blanco, ed. 1, 499; ed. 2, 351 = *Stereospermum quadripinnatum* (Blanco) F.-Vill.! T., *Baticulin*. V., *Ansohan*.
- Millingtonia pinnata** Blanco, ed. 1, 501; ed. 2, 351 = *Stereospermum pinnatum* (Blanco) F.-Vill.! T., *Banaibanai*, *Botong manoc*.
- Crescentia trifolia** Blanco, ed. 1, 489; ed. 2, 343 = *Crescentia alata* H. B. K.! Sp.-Fil., *Hoya cruz*.

## PEDALIACEÆ.

- Sesamum indicum** Linn., Blanco, ed. 1, 507; ed. 2, 353.! T., *Linga*. V., *Longa*. P., *Langis*.

## ACANTHACEÆ.

- Thunbergia subsagittata** Blanco ed. 1, 518; **Thunbergia fragrans** Blanco, ed. 2, 360. Reduced by Villar to *Thunbergia javanica* Gaertn., but is probably *Thunbergia fragrans* Roxb.
- Elytraria amara** Blanco, ed. 2, 8 = *Elytraria crenata* Vahl.! \*
- Antirrhinum molle** Blanco, ed. 1, 503; ed. 2, 353. Reduced by Villar to *Hygrophila undulata* Nees, which is certainly an error.! Blanco's specimens were from Malinta, near Manila, a common plant flowering in January.
- Antirrhinum comintanum** Blanco, ed. 1, 502; ed. 2, 352 = *Hygrophila salicifolia* Nees.! T., *Mamitic*.
- Ruellia uliginosa** Blanco, ed. 1, 494; ed. 2, 346, non Linn. = *Blechnum brownei* Juss.! T., *Sapinsapin*, *Dayang*. P., *Torrecilla*, *Calaboa*.
- \* **Ruellia repens** Blanco, ed. 1, 493; ed. 2, 345, non Linn. Reduced by Villar to *Hemigraphis*, as a distinct species, *Hemigraphis repens* (Blanco) F.-Vill. Known only from Blanco's description, whose specimens were from Cebu. V., *Palad palad*.
- Acanthus doloariu** Blanco, ed. 1, 487; **Acanthus ilicifolius** Linn., Blanco, ed. 2, 341. The latter name is correct.! T., *Dilivario*, *Dolariu*, *Tingloi*, *Laguiolaguio*. V., *Titio*. P., *Dulauari*.
- Barreliera cristata** Blanco, ed. 1, 492; ed. 2, 344 = *Barleria cristata* Linn.! Sp.-Fil., *Flor de campana*.
- Barreliera prionitis** Blanco, ed. 1, 491; ed. 2, 343 = *Barleria prionitis* Linn.! T., *Cocong manoc*.

- Justicia gandarussa** Blanco, ed. 1, 14; ed. 2, 10 = *Pseuderanthemum bicolor* (Schrk.) Radlk.! T., *Cinco lagas, Silisilihan, Limang sugat*. V., *Mopio, Maladosos, Panaptun*. P., *Alyopyop, Mandalusa*.
- \* **Ruellia secunda** Blanco, ed. 1, 495; ed. 2, 346 = *Lepidagathis secunda* (Blanco) Nees. A species known only from Blanco's description, but which is probably identical with *Lepidagathis luzona* Nees.
- \* **Dianthera americana** Blanco, ed. 1, 16, non Linn.; **Dianthera ciliata** Blanco, ed. 2, 12. Reduced by Villar to *Justicia mollissima* Nees, which is a synonym of *Justicia simplex* Don., and a species as yet not reported from the Philippines. Blanco's species is, possibly, a form of *Justicia procumbens* Linn. A plant a foot high, common in Malinta.
- Justicia dalaora** Blanco, ed. 1, 14; ed. 2, 10. Reduced by Villar to *Dianthera (Justicia) dichotoma* (Blume) Clarke, which is probably correct. V., *Dalaora*.
- Justicia nasuta** Linn., Blanco, ed. 1, 14; ed. 2, 10. Considered by Villar to be the Linnean plant = *Rhinacanthus communis* Nees. T., *Tagactagac*.
- Justicia picta** Linn., Blanco, ed. 1, 12; ed. 2, 9 = *Graptophyllum pictum* (Linn.) Griff.! (*Graptophyllum hortense* Nees.) T., *Moradong maputi, Balasbas*. V., *Balasbas, Antolang, San Francisco*.
- Justicia ecbolium** Blanco, ed. 1, 13; ed. 2, 10, non Linn. = the preceding.! The variety with purplish leaves. T., *Morado, Ternate, Balasbas*. V., *Balasbas*. P., V., *Hojas moradas, Balasbas malomay, Yqvas, Ataiatai*.
- \* **Ruellia contorta** Blanco, ed. 1, 496; ed. 2, 347. Reduced by Villar to *Peristrophe* as a distinct species, *P. contorta* (Blanco) F.-Vill., a species known only from Blanco's description. Blanco's specimens were from Bauang, Province of Batangas, flowering in February. T., *Sapinsapin*.
- Justicia viridis** Blanco, ed. 1, 15; ed. 2, 11, non Forsk. = *Hypoestes malaccanus* Wight.!

## VERBENACEÆ.

- Lantana viburnoides** Blanco, ed. 2, 345, non Vahl. = *Lantana camara* Linn.!
- Verbena capitata** Forsk., Blanco, ed. 1, 19; ed. 2, 14 = *Lippia nodiflora* (Linn.) Rich.! T., *Chachachachahan*.
- \* **Callicarpa americana** Blanco, ed. 1, 517; ed. 2, 360, non Linn. = *Callicarpa blancoi* Rolfe.! Reduced by Villar to *Callicarpa bicolor* Juss., and certainly closely related to that species. T., *Palis, Tubang dalag*.
- Tectona grandis** Linn. f., Blanco, ed. 1, 130; ed. 2, 92.! Sp.-Fil., *Teca, Ticla*. V., *Dalondon, Yate, Calayate*.



- \* **Diospyros tectona** Blanco, ed. 2, 609. This name is published in the index to native names, under *Dalandon*, without description. Villar reduces it to *Tectona hamiltoniana* Wall. The name should be discarded.
- \* **Premna serratifolia** Blanco, ed. 2, 342, non Linn. Reduced by Villar to *Premna foetida* Reinw., which is undoubtedly an error.
- Premna odorata** Blanco, ed. 1, 488; ed. 2, 341. Erroneously reduced by Villar to *Premna pubescens* Blume, a species that does not extend to the Philippines. Blanco's species is certainly identical with *Premna vestita* Schauer, which is a much later name. T., *Alagao*. V., *Adgao*, *Pamuhat*. P., *Tanglay maloto*. I., *Anobran*.
- \* **Premna cordata** Blanco, ed. 1, 489; **Premna tomentosa** Blanco, ed. 2, 342, non Wall. Considered by Villar to be identical with *Premna tomentosa* Wall., but this is certainly an error. T., *Malaapi*.
- Premna nauseosa** Blanco, ed. 1, 489; **Premna integrifolia** Blanco, ed. 2, 342. A good species, the first name being the correct one. Erroneously reduced by Villar to *Premna mucronata* Roxb.
- Gmelina asiatica** Blanco, ed. 1, 492; ed. 2, 344, non Linn. = *Gmelina villosa* Roxb.! T., V., *Bagaboboi*, *Balabalayan*.
- Gmelina inermis** Blanco, ed. 1, 493; ed. 2, 345 = *Gmelina asiatica* Linn. ?, or a form of the preceding.
- Vitex repens** Blanco, ed. 1, 513; ed. 2, 358 = *Vitex ovata* Thunb. (*Vitex trifolia* Linn. f. var. *obovata* Benth.) T., *Lagunding gapang*.
- Vitex trifolia** Linn. f., Blanco, ed. 1, 513; ed. 2, 358.! T., *Lagundi*. V., *Gapasgapas*. I., *Danglay*.
- Vitex leucoxylon** Blanco, ed. 1, 516; ed. 2, 359, non Linn. Reduced by Villar to *Vitex negundo* Linn., which is probably correct. T., *Lagundi*, *Molavin*.
- Vitex altissima** Blanco, ed. 1, 516; ed. 2, 359, non ? Linn. = *Vitex littoralis* Deene.! T., *Molavin*, *Lagundi*.
- Vitex latifolia** Blanco, ed. 1, 514; ed. 2, 358 = *Vitex pubescens* Vahl.! T., *Molavin*, *Hamaraon*, *Bulaon*.
- \* **Vitex geniculata** Blanco, ed. 1, 514; ed. 2, 299. A species closely related to *Vitex littoralis* Deene., but perhaps distinct. T., *Molavin*.
- Clerodendron capsulare** Blanco, ed. 1, 509; ed. 2, 355 = *Clerodendron inerme* R. Br.!
- Volkameria grandiflora** Blanco, ed. 1, 512; ed. 2, 357 = *Clerodendron macrostegium* Schauer. T., *Malapotocan*, *Bagauac*. I., *Agholigan*, *Nacboligan*.
- Clerodendron fortunatum** Blanco, ed. 1, 508; ed. 2, 354, non Linn. = *Clerodendron blancoi* Naves.! Reduced by Villar to *Clerodendron infortunatum* Gaertn. T., *Casopanguil gubat*.

**Volkameria inermis** Blanco, ed. 1, 511, non Linn.; **Bolkameria casopanguil** Blanco, ed. 2, 356 = *Clerodendron intermedium* Cham.! T., *Casopanguil*, Laroan, Anito, *Macalalauang*, Iginga. V., *Asuangai*, *Pacapis*, *Colocolog*, *Alocasoc*.

**Ligustrum quadriloculare** Blanco, ed. 1, 10; ed. 2, 7. This species is the same as *Clerodendron navesianum* Vidal (*Clerodendron blancoanum* F.Vill.) but the species is very near if not identical with *Clerodendron longiflorum* Deene. T., *Balictarin*.

**Litsea luzonica** Blanco, ed. 2, 284 = *Symphorema luzonicum* (Blanco) F.Vill.! (*Symphorema luzoniense* Vidal.) This species is described in the first edition under the native name only. P., *Balaibai*.

**Avicennia nitida** Blanco, ed. 1, 504, non Jacq.; *Avicennia tomentosa* R. Br., Blanco, ed. 2, 353 = *Avicennia officinalis* Linn.!

## LABIATE.

**Ocimum americanum** Blanco, ed. 1, 480; ed. 2, 335, non Linn. = *Ocimum basilicum* Linn.! T., P., *Solasi*. V., *Bonac*.

**Ocimum citriodorum** Blanco, ed. 2, 591 = the preceding species.!

**Ocimum album** Blanco, ed. 1, 479, non Linn.; **Ocimum virgatum** Blanco, ed. 2, 334, non Linn. = *Ocimum gratissimum* Linn.! T., *Locoloco*. V., *Coloncogon*. P., *Locoloco*.

**Ocimum sanctum** Linn., Blanco, ed. 1, 480; ed. 2, 334.! T., *Balanoi*.

**Ocimum flexuosum** Blanco, ed. 1, 480; ed. 2, 334, non Linn. = the preceding.! the purple-stemmed form. T., *Balanoi*.

**Ocimum tenuiflorum** Blanco, ed. 1, 481; ed. 2, 335 = *Meschosma polystachyum* Benth.!

**Coleus suganda** Blanco, ed. 1, 483; ed. 2, 337. Reduced by Villar to *Coleus aromaticus* Benth., which is probably correct. Sp.-Fil., *Oregano*. T., *Suganda*.

\* **Coleus pumilus** Blanco, ed. 1, 482; ed. 2, 336. Reduced by Villar to *Coleus acuminatus* Benth., which may be correct. Blanco's specimens were from Pasig, Province of Rizal, flowering in October. T., *Malayana*.

**Coleus grandifolius** Blanco, ed. 1, 482; ed. 2, 336. Reduced by Villar to *Coleus atropurpureus* Benth., which is probably correct. T., V., P., *Mayana*, *Maliana*, *Badiara*, *Marayapa*.

**Pycnanthemum elongatum** Blanco, ed. 2, 333 = *Hyptis spicigera* Lam.!

**Thymus virginicus** Blanco, ed. 1, 478, non Linn.; **Pycnanthemum decurrens** Blanco, ed. 2, 333 = *Hyptis capitata* Jacq.! T., *Combarcombaran*, *Lingalingahan*.

**Thymus biserratus** Blanco, ed. 1, 478; **Pycnanthemum subulatum** Blanco, ed. 2, 333 = *Hyptis breviplex* Poir.! T., *Combarcombaran*.

**Marrubium indicum** Blanco, ed. 1, 477; ed. 2, 332, non Burm. = *Hyptis suaveolens* Poir.! T., *Soob cabayao*.

- Mentha cablin** Blanco, ed. 1, 472; **Mentha auricularia** Blanco, ed. 2, 329, non Linn. = *Pogostemon cablin* (Blanco) Benth.! T., *Cablin*, *Carlin*. V., *Cadlom*, *Catluen*, *Cadlin*. P., *Cablin*.
- Mentha crispa** Blanco, ed. 1, 474; ed. 2, 330, non Linn. = *Mentha arvensis* Linn.! Sp.-Fil., *Yerba buena*.
- Salvia violacea** Blanco, ed. 2, 14, non Retz. et. Pav. = *Salvia plebeia* R. Br.!
- Rosmarinus officinalis** Linn., Blanco, ed. 1, 20; ed. 2, 15.! Sp.-Fil., *Romero*.
- Phlomis alba** Blanco, ed. 1, 474; ed. 2, 330, non Forsk. = *Anisomelis ovata* R. Br.! T., *Talingharap*.
- Stachys artemesia** Lour., Blanco, ed. 1, 476; ed. 2, 331 = *Leonurus sibiricus* Linn.! T., *Camariang songsong*.
- Phlomis zeylanica** Blanco, ed. 1, 475; ed. 2, 331, non Linn. Reduced by Villar to *Leucas aspera* Spreng., but certainly is *Leucas linifolia* Spreng.! T., *Pansipansi*, *Solasolasihan*, *Carucansoli*. V., *Pansipansi*, *Paipaisi*.

## PLANTAGINACEÆ.

- Plantago crenata** Blanco, ed. 1, 56; **Plantago media** Blanco, ed. 2, 38, non Linn. Reduced by Villar to *Plantago erosa* Wall., which is a synonym of *Plantago major* Linn. Probably correctly referred. Flowering in February. T., *Lantin*.

## NYCTAGINACEÆ.

- Mirabilis longiflora** Blanco, ed. 1, 77; ed. 2, 57, non Linn. = *Mirabilis jalapa* Linn.! Sp.-Fil., *Oracion*, *Diego de noche*, *Bella de noche*. T., *Guilalas*, *Suspiros*.
- Boerhaavia diffusa** Linn., Blanco, ed. 1, 8; ed. 2, 6 = *Boerhaavia repens* Linn.! T., *Paanbalivis*. I., *Tabtabocol ti Nuang*.
- Pisonia aculeata** Linn., Blanco, ed. 1, 195; ed. 2, 137.! T., *Digquit* *digquit*. I., *Puriquet*. T., *Panacla*.
- Cordia olitoria** Blanco, ed. 1, 123; ed. 2, 88. Reduced by Villar to *Pisonia inermis* Forst., which is cited as a synonym of *Pisonia alba* Spanoghe. A species rather commonly cultivated in Manila, but rarely producing flowers. T., *Maluco*, *Coles maluco*.
- \* **Buginvillea racemosa** Blanco, ed. 1, 307; ed. 2, 214. Reduced by Villar to *Pisonia excelsa* Blume, which is certainly an error. Blanco's specimens were from Angat, Province of Bulacan, no native name given.
- \* **Cedrota guianensis** Blanco, ed. 2, 213, not Ræusch. Reduced by Villar to *Pisonia umbellifera* Seem., which is the same as *Pisonia excelsa* Blume. Blanco's specimens were from Cebu. V., *Tac-an*.

## AMARANTACEÆ.

- Celosia baccata** Retz., Blanco, ed. 1, 193; **Deeringia celosioides** R. Br., Blanco, ed. 2, 135. The latter name is correct. T., *Hagorilis*. V., *Hanlilimocon*.
- Celosia cristata** Linn., Blanco, ed. 1, 191; **Celosia coccinea** Linn., Blanco, ed. 2, 134. The former name is correct. T., *Palongpalongan*.
- Celosia argentea** Linn., Blanco, ed. 1, 192; ed. 2, 135.! T., *Cadayohan*, *Quindayohan*.
- \* **Celosia bicolor** Blanco, ed. 1, 191; **Celosia glauca** Blanco, ed. 2, 135, non Rottl. Reduced by Villar to *Celosia philippica* (Weinm.) Steud.
- Amarantus spinosus** Linn., Blanco, ed. 1, 710; ed. 2, 491.! T., *Quilites*, *Orayi*. P., *Ayantoto*. V.; *Calites*, *Tililes*, *Harum*, *Orayi*, *Bayang-bayang*. I., *Cuanton*.
- Amarantus mangostanus** Linn., Blanco, ed. 1, 711; ed. 2, 492. Probably correct, although Villar reduces Blanco's species to *Amarantus melancholicus* Linn., which is a synonym of *Amarantus gangeticus* Linn. T., *Halon*.
- Illecebrum lanatum** Linn., Blanco, ed. 1, 190; **Celosia lanata** Linn., Blanco, ed. 2, 134 = *Aerva lanata* (Linn.) Juss.!
- Achyranthes aspera** Linn., Blanco, ed. 1, 188; ed. 2, 133.! T., *Hangor*, *Hangot*, *Docotdocot*, *Libai*. P., *Angud*. V., *Hangor*.
- Achyranthes villosa** Blanco, ed. 1, 189; ed. 2, 134, non Forsk. Reduced by Villar to *Alternanthera denticulata* R. Br., probably however only a form of the common *Alternanthera sessilis* R. Br. T., *Bonga bonga*.
- Gomphrena globosa** Linn., Blanco, ed. 1, 198; ed. 2, 139.! T., *Buquingan*

## CHENOPODIACEÆ.

- Chenopodium ambrosioides** Linn., Blanco, ed. 1, 200; ed. 2, 140.! T., V., P., *Aposotis*.
- Basella rubra** Linn., Blanco, ed. 1, 215; ed. 2, 151 = *Basella alba* Linn.! T., *Libato*. I., *Ilaiabaquir*.
- Basella lucida** Linn., Blanco, ed. 1, 151; ed. 2, 273 = the preceding.! T., *Grana*.
- Gomphrena volubilis** Blanco, ed. 1, 199; ed. 2, 140 = *Anredera scandens* Juss.!

## POLYGONACEÆ.

- Polygonum stoloniferum** Blanco, ed. 1, 314; ed. 2, 219. Reduced by Villar to *Polygonum barbatum* Linn., var. *vulgare* Meisn., which is probably correct. T., *Subsuban*. P., *Canubsuban*.
- \* **Polygonum bellardi** Blanco, ed. 1, 314; ed. 2, 219, non Boiss. Reduced by Villar to *Polygonum orientale* Linn., which is probably an error. Blanco's specimens were from Taguig, Province of Rizal, flowering in March. T., *Subsuban*. P., *Canubsuban*.

**Rheum muricatum** Blanco, ed. 1, 327; **Rumex muricatus** Blanco, ed. 2, 195 = *Rumex maritimus* Linn.! Blanco's specimens were from cultivated plants.

### NEPENTHACEÆ.

**Nepenthes alata** Blanco, ed. 1, 805; ed. 2, 555. A good species.!

**Nepenthes ventricosa** Blanco, ed. 1, 807; ed. 2, 556. A good species.!

### CYTINACEÆ.

**Rafflesia philippinensis** Blanco, ed. 2, 565; **Rafflesia lagascae** Blanco, ed. 2, 595 = *Rafflesia manillana* Teschem.!

### ARISTOLOCHIACEÆ.

\* **Aristolochia sericea** Blanco, ed. 1, 283; ed. 2, 198. Reduced by Villar to *Bragantia corymbosa* Griff., which may be correct, although the latter species is at present not known from the Philippines. Blanco's specimens were from Agoo, Province of Union.

\* **Aristolochia indica** Blanco, ed. 1, 282; ed. 2, 197, non ? L. Considered by Villar to represent the Linnean species, but probably only a form of *Aristolochia tagala* Cham. T., *Timbagan, Malaubai*.

**Aristolochia subsagittata** Blanco, ed. 1, 283; ed. 2, 197 = *Aristolochia tagala* Cham.! T., *Timbangan, Timbangantimbangan, Malaubi*. L., *Taointaoin*.

### PIPERACEÆ.

**Piper parvifolium** Blanco, ed. 1, 23; ed. 2, 17. Reduced by Villar to *Piper caninum*. A. Dietr., which is probably correct. T., *Sabia*.

\* **Piper obliquum** Blanco, ed. 1, 22; ed. 2, 16. Reduced by Villar to *Piper corylistachyon* C. DC. If this is correct, Blanco's name is the earlier. T., V., *Litlit, Litbit, Saog, Sangilo*. B., *Nopau*.

**Piper betel** Blanco, ed. 1, 22; ed. 2, 16 = *Piper betle* Linn.! T., B., *Itmo*, *Mamin*. V., *Buyo, Mamon*. P., *Samat*.

**Piper nigrum** Linn., Blanco, ed. 1, 21; ed. 2, 16.! Sp.-Fil., *Pimienta*. T., *Malisa*.

\* **Piper anisumolens** Blanco, ed. 1, 23; **Piper anisodorum** Blanco, ed. 2, 16. Reduced by Villar to *Piper marginatum* Jacq., an American species, which is probably correct. T., *Buyo de anis*.

### CHLORANTHACEÆ.

**Chloranthus inconspicuus** Blanco, ed. 2, 54, non Swartz. Reduced by Villar to *Chloranthus officinalis* Blume, which may be correct. *Chloranthus brachystachyus* Blume, is, however, the more common species in the Philippines.

## MYRISTICACEÆ.

**Myristica luzonica** Blanco, ed. 1, 664; ed. 2, 462; 463 = *Myristica philippinensis* Lam.! T., *Talangalang*, *Anis moscada*, *Anis cahoi*, *Duguan*.

\* **Sterculia glomerata** Blanco, ed. 1, 764; ed. 2, 525. This species is reduced by Villar to *Myristica corticosa* Hook. f. et Thoms., a species that does not extend to the Philippines, considered by Warburg to be possibly the same as *Knema heterophylla* (F.-Vill.) Warb. T., *Hindurugo*.

\* **Sterculia decandra** Blanco, ed. 1, 766; ed. 2, 525. Reduced by Villar to *Myristica intermedia* Blume, a species that does not extend to the Philippines. Probably a species of *Myristica*. Blanco's specimens were from Balanga, Province of Bataan. T., *Banabanalo*.

## LAURACEÆ.

\* **Laurus martinicensis** Blanco, ed. 1, 317; ed. 2, 223, non aliorum. Reduced by Villar to *Beilschmiedia madang* Blume, which is certainly an error. Probably a species of *Lauraceæ*, but the genus is doubtful. A tree flowering in December. T., *Dinglas*.

\* **Salgada laurifolia** Blanco, ed. 2, 221. Reduced by Villar to *Eusideroxylon borncense* T. et B., which must be considered very doubtful. Blanco's specimens were from Angat, Province of Bulacan.

\* **Laurus cassia** Blanco, ed. 1, 317; ed. 2, 223, non Linn. Considered by Villar to represent *Laurus cassia* Burm, and by Villar reduced to a variety of *Cinnamomum zeylanicum* Breyn. Certainly erroneously referred. Blanco's specimens were from Balanga, Province of Bataan T., *Saminlin*.

**Laurus cinnamomum** Blanco, ed. 1, 319; ed. 2, 225, non Linn. Referred by Villar to *Cinnamomum burmanni* Nees, which may be correct, as Blanco's specimens were from a cultivated plant.

**Laurus culilaban** Blanco, ed. 1, 315; ed. 2, 222, non aliorum. This species was reduced by Villar to *Cinnamomum pauciflorum* Nees, which is certainly an error, as that species does not extend to the Philippines. Probably identical with the form described by Vidal as *Cinnamomum mercadoi*. T., *Calingag*, *Macalingag*. V., *Calingag*, *Calinga*. P., *Calingad*. I., *Candaroma*.

**Laurus persea** Linn., Blanco, ed. 2, 224 = *Persea gratissima* Gaertn., an American species, cultivated. Blanco's specimens were from Santa Ana, a suburb of Manila.

**Sebifera glutinosa** Blanco, ed. 1, 819; ed. 2, 566, non Lour. Reduced by Villar to *Litsea chinensis* Lam., which is probably correct. T., *Pusopuso*. I., *Sablut*.

**Sebifera balongai** Blanco, ed. 1, 820; ed. 2, 567. Reduced by Villar to *Litsea litoralis* Blume, but Vidal refers *Litsea litoralis* F.-Vill. to *Litsea chinensis* Lam. Probably only a form of the latter species. T., *Balongai*.

\* **Olex baticulin** Blanco, ed. 2, 586 = *Litsea obtusata* F.-Vill.? Impossible to determine definitely if Blanco's species is the same as Villar's. T., *Baticulin*.

**Laurus lanosa** Blanco, ed. 1, 318; ed. 2, 224. Reduced by Villar to *Litsea villosa* Blume, which may be correct. T., V., *Batobato*.

\* **Ajovea malabonga** Blanco, ed. 1, 233; **Laurus hexandra** Blanco, ed. 2, 222, non aliorum. Reduced by Villar to *Iteadapne confusa* Blume, which must be considered doubtful, as the latter species is unknown from the Philippines. A tree flowering in August. T., *Malabonga*.

**Cassytha filiformis** Linn., Blanco, ed. 1, 321; ed. 2, 226.! T., *Malabohoc*.

**Hernandia sonora** Blanco, ed. 1, 689; ed. 2, 478, non Linn. = *Hernandia peltata* Meissn.! T., *Colongcolong*.

### THYMELAEACEÆ.

\* **Daphne indica** Blanco, ed. 1, 309; ed. 2, 215, non ? Linn. Considered by Villar to represent the Linnean species, probably, however, the form described as *Wickstroemia viridiflora* Meissn. T., *Salago, Malasampaga*.

**Daphne foetida** Linn. ? Blanco, ed. 1, 308; ed. 2, 214. Certainly only a form of the preceding.! T., *Salago, Malasampaga*.

\* **Daphne aquilaria** Blanco, ed. 1, 310; ed. 2, 216. Reduced by Villar to *Wickstroemia ovata* Mey. Vidal, however, states that *Wickstroemia ovata* F.-Vill., is the same as *W. indica* Mey. I., *Arandon*.

**Dais laurifolia** Blanco, ed. 1, 375; ed. 2, 263, non Jacq. = *Phaleria perrottetiana* (Decne.) F.-Vill.!

### ELAEAGNACEÆ.

**Elaeagnus angustifolia** Blanco, ed. 1, 74; ed. 2, 53, non Linn. = *Elaeagnus latifolia* Linn.! T., *Alingaro*.

### LORANTHACEÆ.

**Lonicera symphoricarpos** Blanco, ed. 1, 161; **Loranthus philippinensis** Cham. et Schlecht., Blanco, ed. 2, 164. The second name is probably correct. T., *Dapo*.

\* **Loranthus pauciflorus** Blanco, ed. 1, 235; **Lonicera tomentosus** Blanco, ed. 2, 164, non aliorum. Considered by Villar to be a distinct species and retained under the former name. Blanco's specimens were parasitic on *Spondias*. T., *Dapo sa cahoy*. I., *Binbinguay*.

- \* *Hillia longiflora* Blanco, ed. 1, 235; ed. 2, 165. Reduced by Villar to *Loranthus ampullaceus* Linn., which is probably an error, as the latter species is not found in the Philippines. Blanco's specimens were parasitic on *Mangifera altissima* Blanco, a tree known to the natives as *pajo*. Flowering in April. T., *Dapo sa pajo*.
- \* *Brabejum ? caliculatum* Blanco, ed. 2, 39. Reduced by Villar to *Loranthus*, as a distinct species, *Loranthus blancoanus* F.-Vill. Possibly a species of *Loranthus*. Blanco's specimens were from Cebu. V., *Malabachao*.
- Fusanus ? parasitus* Blanco, ed. 2, 53. Reduced by Villar to *Viscum orientale* Willd., which is probably correct. Blanco's specimens were parasites on a species of *Pterocarpus* in Angat, Province of Bulacan, flowering in February.

### EUPHORBIACEÆ.

- Euphorbia dulcis* Blanco, ed. 1, 412; ed. 2, 287, non Linn. Reduced by Villar to *Euphorbia laevigata* Vahl. = *Euphorbia atoto* Forst.!
- Euphorbia parannaquensis* Blanco, ed. 2, 286 = *Euphorbia serrulata* Reinw.!
- Euphorbia capitata* Lam., Blanco, ed. 1, 411; *Euphorbia hirta* Linn., Blanco, ed. 2, 286 = *Euphorbia pilulifera* Linn.! T., *Batobatonis*, *Sayican*, *Gatasgatas*, *Golandrina*. V., *Gatasgatas*, *Buyayava*, *Tavava*, *Bovi*. P., *Malismalis*, *Sisiohan*, *Bolobtones*, *Magatas*.
- Euphorbia pentagona* Blanco, ed. 1, 413; ed. 2, 287, non Haw. Reduced by Villar to *Euphorbia neriifolia* Linn., which is probably correct. B., T., P., *Sorosoro*, *Sorog sorog*, *Bait*, *Lengua de perro*. I., *Carambuaya*.
- Euphorbia tirucalli* Linn., Blanco, ed. 1, 412; ed. 2, 287.! T., *Catuit*. Sp.-Fil., *Consuelda*.
- Clusia stipularis* Linn., Blanco, ed. 1, 818; ed. 2, 564 = *Bridelia stipularis* Blume.! T., *Hingongoto*, *Lobalob*. I., *Calondagui*, *Carabau*.
- Gluta orgyalis* Blanco, ed. 2, 451 = *CLEISTANTHUS ORGYALIS* (Blanco). (*Cleistanthus blancoi* Rolfe, Journ. Linn. Soc. Bot. 21: 315; Vidal, Rev. Pl. Vasc. Filip. 234.) Erroneously reduced by Villar to *Cleistanthus ferrugineus* Muell. Arg. Blanco's specimens were from Angat, Province of Bulacan, flowering in April.
- Kirganelia triandra* Blanco, ed. 1, 711; ed. 2, 492 = *Phyllanthus triandrus* Muell. Arg.!
- Kirganelia alba* Blanco, ed. 1, 713; ed. 2, 494 = *Glochidion album* (Blanco) Boerl. (*Phyllanthus albus* Muell. Arg.) Blanco's specimens were from Angat, Province of Bulacan. It is represented by Nos. 3162 and 3797 Merrill.
- Kirganelia villosa* Blanco, ed. 1, 712; ed. 2, 493, non *Phyllanthus villosus* Poir. = *Glochidion llanosii* Muell. Arg.!



- \* **Kirganelia nigrescens** Blanco, ed. 1, 712; ed. 2, 493. Reduced by Villar to *Glochidion molle* Blume, which may be correct. A shrub flowering in May.
- Cicca acidissima** Blanco, ed. 1, 700; ed. 2, 486 = *Phyllanthus distichus* Muell. Arg.! T., *Iba, Banquilin*. V., *Poras, Layohan*. P., *Iba*.
- Cicca decandra** Blanco, ed. 1, 701; ed. 2, 487 = *Phyllanthus reticulatus* Muell. Arg.! T., *Tinatinaan, Tintatintahan, Malatinta*.
- Phyllanthus carolinianus** Blanco, ed. 1, 691, non Walt. **Phyllanthus kirganelia** Blanco, ed. 2, 480, non Willd. = *Phyllanthus niruri* Muell. Arg.!
- Kirganelia pumila** Blanco, ed. 1, 712; ed. 2, 493. Reduced by Villar to *Phyllanthus niruri* Muell. Arg., as a variety, but more probably a form of *P. urinaria* Linn., or *P. simplex* Muell. Arg.
- \***Phyllanthus niruri** Blanco, ed. 1, 690, non Linn.; **Phyllanthus tetrande** Blanco, ed. 2, 480, non Roxb. Considered by Mueller to represent a distinct species, which he calls *Phyllanthus blancoanus*. This species is known only from Blanco's description. Blanco's specimens were from Bauang, Province of Batangas, a shrub 5 feet high, flowering in May.
- Cicca pentandra** Blanco, ed. 1, 701; ed. 2, 486 = *Fluggea obovata* Wall.! T., *Botolan*.
- Cansiera pentandra** Blanco, ed. 1, 73; ed. 2, 53 = *Antidesma leptocladum genuinum* Muell. Arg.! Erroneously reduced by Villar to *Antidesma cumingiana* Muell. Arg. T., *Bignay pogo*.
- Cansiera grossularioides** Blanco, ed. 1, 73; ed. 2, 53. Reduced by Villar to *Antidesma ghaesembilla* Gaertn., var. *paniculatum* Muell. Arg. Certainly a form of this species! T., *Cabogbog*.
- Cansiera rheedii** Blanco, ed. 1, 73; ed. 2, 52, non aliorum = *Antidesma ghaesembilla* Gaertn.,! the pubescent form. T., *Bignai pogo*.
- Antidesma spicata** Blanco, ed. 1, 794; **Antidesma alexiteria** Blanco, ed. 2, 547, non alior. Reduced by Villar to *Antidesma ghaesembilla* Gaertn., which is certainly correct.! T., *Calamantao*.
- Stilago buniis** Linn., Blanco, ed. 1, 782; ed. 2, 539 = *Antidesma buniis* (Linn.) Spreng.! T., *Bignai, Bugnai*.
- Jatropha curcas** Linn., Blanco, ed. 1, 759; ed. 2, 522.! T., *Tuba*. V., *Casla*. I., *Tavatava*.
- Jatropha janipha** Blanco, ed. 1, 758; ed. 2, 521, non Linn. = *Jatropha multifida* Linn.!
- Aleurites lobata** Blanco, ed. 1, 756; **Aleurites triloba** Forst., Blanco, ed. 2, 520 = *Aleurites moluccana* Willd.! T., *Lumban, Capili*.
- Aleurites lanceolata** Blanco, ed. 1, 757; ed. 2, 521 = the preceding.!
- Aleurites trisperma** Blanco, ed. 1, 755; **Aleurites saponaria** Blanco, ed. 2, 519. A distinct species.! T., *Balocanad, Baguilumban, Calumban*. V., P., *Balucanag*.

- Croton glandulosum** Blanco, ed. 1, 754; **Croton muricatum** Blanco, ed. 2, 518 = *Croton tigilium* Linn.! T., *Tuba, Camaisa, Balanti*.
- \* **Croton drupaceus** Blanco, ed. 2, 519 non Roxb. Reduced by Villar to *Croton luzonensis* Muell. Arg., probably, however, only a form of the preceding. Blanco's specimens were from Guadalupe, near Manila, flowering in October. T., *Balanti*.
- Croton variegatus** Linn., Blanco, ed. 1, 751; ed. 2, 517 = *Codiaeum variegatum* (Linn.) Muell. Arg.! T., *Saguilala*. V., *Calipayang*. Sp.-Fil., *Bucna vista, San Francisco*.
- Adelia acidoton** Blanco, ed. 1, 815; ed. 2, 562, non Linn. = *Sumbavia rottleroides* Baill.! T., *Aliparo*.
- Jatropha manihot** Linn., Blanco, ed. 1, 760; ed. 2, 522 = *Manihot utilissima* Pohl.! T., *Camoting cahoy*.
- \* **Adelia resinosa** Blanco, ed. 2, 562. Reduced by Villar to *Claoxylon wallichianum* Muell. Arg., which is probably an error. This species is described in the first edition under the native name *Balilangouag*. Blanco's specimens were from Pasig, Province of Rizal.
- \* **Niota globosa** Blanco, ed. 2, 214. Reduced by Villar to *Claoxylon indicum* Muell. Arg., which may be correct. Blanco's specimens were from Angat, Province of Bulacan.
- Acalypha angatensis** Blanco, ed. 1, 750; ed. 2, 516. Considered by Villar to be a distinct species, probably, however, only a form of *Acalypha stipulacea* Klotzsch. Blanco's specimens were from Angat, Province of Bulacan, a shrub, flowering in December.
- Acalypha tomentosa** Blanco, ed. 1, 750. Reduced by Villar to *Acalypha grandis* Muell. Arg., which may be correct, or it may be a form of the next species. This species is not included in the second edition.
- Acalypha glandulosa** Blanco, ed. 1, 749; ed. 2, 516, non Cav. = *Acalypha stipulacea* Klotzsch.!
- Acalypha caroliniana** Blanco, ed. 1, 748; ed. 2, 515, non Walt. = *Acalypha indica* Linn.!
- Adelia glandulosa** Blanco, ed. 1, 814. Reduced by Villar to *Alchornea javensis* Muell. Arg., which is probably correct. This species is not included in the second edition. Blanco's specimens were from Santa Maria, Province of Ilocos Sur.
- \* **Tragia innocua** Blanco, ed. 2, 479. Reduced by Villar to *Alchornea villosa* Muell. Arg., which is probably an error. Blanco's specimens were from Angat, Province of Bulacan, flowering in February.
- \* **Excaecaria sicca** Blanco, ed. 1, 787; ed. 2, 542. Reduced by Villar to *Alchornea mollis* Muell. Arg., which is certainly an error. Blanco states that his species is poisonous, and common along the margins of streams. T., *Balanti*.
- \* **Prockia albicans** Blanco, ed. 1, 430; ed. 2, 299. Reduced by Villar to *Alchornea blumeana* Muell. Arg., which is certainly an error. T., *Busilac*.

- Adelia monoica** Blanco, ed. 2, 561 = *Mallotus moluccanus* (Linn.) Muell. Arg.!
- Adelia bernardia** Blanco, ed. 1, 814, non Linn.; **Adelia barbata** Blanco, ed. 2, 561 = *Mallotus ricinoides* (Pers.) Muell. Arg.! T., Alim, *Taquip asin*. V., Alum, Arum. P., Pacalcal, Vilos. C., Tapit. Sp.-Fil., *Tres puntas*.
- \* **Adelia papillaris** Blanco, ed. 2, 562. Reduced by Villar to *Mallotus zollingeri* Muell. Arg., which is certainly an error, as the latter species does not extend to the Philippines. Blanco's specimens were from Guadalupe, near Manila.
- Croton lacciferum** Blanco, ed. 1, 752; ed. 2, 517 = *Macaranga tanarius* Muell. Arg., var. *tomentosa* Muell. Arg.! T., Binonga, Minonga. V., P., Binonga. P., Bilau. I., Ginabang, Samac.
- Croton grandifolium** Blanco, ed. 1, 753; ed. 2, 518 = *Macaranga mappa* (Linn.) Muell. Arg.! T., Bingabing.
- Ricinus communis** Linn., Blanco, ed. 1, 761; ed. 2, 523.! T., Tangantangan, Lingasina. I., Tangantangan, Tavatavangsina.
- Lumanaja fluviatilis** Blanco, ed. 1, 821; ed. 2, 568 = *Homonoia riparia* Lour.! T., Lomonai, Agoioi.
- Excæcaria lævis** Blanco, ed. 1, 788; ed. 2, 543 = *Homalanthus populneus* (Geisel.) Pax.! T., Botong gubat.
- \* **Tragia bracteata** Blanco, ed. 2, 481. Reduced by Villar to *Pimelodendron amboinicum* Hassk., which is certainly an error. Blanco's specimens were from Angat, a shrub, flowering in February. T., Tablon.
- Excæcaria agallocha** Linn., Blanco, ed. 1, 786; ed. 2, 541.! T., Buta, Butabuta. V., Alipata, Lipata, Himbabao, Siac. P., Butabuta.

## URTICACEÆ.

- Celtis philippinensis** Blanco, ed. 1, 197; ed. 2, 139. A good species.! T., Malaitmo.
- Celtis lima** Blanco, ed. 1, 197; ed. 2, 139 = *Trema amboinensis* Blume.! T., Hanarion.
- Calius lactescens** Blanco, ed. 1, 698; ed. 2, 485 = *Streblus asper* Lour.! T., Calios. I., Alodig.
- Malaisia tortuosa** Blanco, ed. 1, 789; ed. 2, 543.! A good genus and species. T., Malaisis.
- Morus luzonica** Blanco, ed. 1, 703; **Broussonetia luzonensis** Blanco, ed. 2, 488 = *Allæanthus luzonicus* (Blanco) F.-Vill.! T., Himbabao.
- Morus alba** Linn., Blanco, ed. 1, 705; ed. 2, 489.! T., Morera.
- Ficus indica** Linn., Blanco, ed. 1, 681; ed. 2, 473. Reduced by Villar to *Ficus saxophila* Blume, but Blanco probably correctly interpreted the Linnean species. *Ficus saxophila* Blume is not known from the Philippines. T., P., Baliti. V., Dalaguít, Nonoc.

- \* **Ficus payapa** Blanco, ed. 1, 683; ed. 2, 475. Reduced by Villar to *Ficus microcarpa* Linn. f., which is a synonym of *Ficus retusa* Linn. Possibly correctly referred. T., *Payapa*.
- \* **Ficus dicarpa** Blanco, ed. 1, 682; **Ficus nepalensis** Blanco, ed. 2, 474 non Spreng. Reduced by Villar to *Ficus hamatocarpa* Blume, which is a synonym of *Ficus benjamina* Linn., which may be correct. Blanco's specimens were from Cebu. V., *Talicot*.
- Ficus hispida odorata** Blanco, ed. 1, 686; ed. 2, 476 = *Ficus odorata* (Blanco) Merrill, Govt. Lab. Publ. 17: 15. 1904. Erroneously reduced by Villar to *Ficus pungens* Reinw. T., *Agosos*.
- Ficus aspera** Forst., Blanco, ed. 1, 676; ed. 2, 476. Blanco gives only a partial translation of the description of this species, without definitely referring any form to the species. Villar erroneously reduces it to *Ficus hirta* Vahl.
- Ficus hispida linearis** Blanco, ed. 1, 685; ed. 2, 476 = *Ficus cumingii* Miq.! Erroneously reduced by Villar to *Ficus heterophylla* Linn. T., V., P., *Isis*, *Asis*, *Issio*, *Isioisio*.
- Ficus hispida hastata** Blanco, ed. 1, 685; ed. 2, 476 = *Ficus quercifolia* Roxb.!
- Ficus heterophylla** Blanco, ed. 1, 685; ed. 2, 476, non Linn. = *Ficus quercifolia* Roxb. T., *Asis*, *Isis*.
- \* **Ficus argentea** Blanco, ed. 1, 681; ed. 2, 473. Reduced by Villar to *Ficus polycarpa* Wall., which is a synonym of *Ficus ribes* Reinw., and which is certainly an error.! Blanco's specimens were from the seashore at Mariveles, Province of Bataan.
- \* **Ficus rostrata** Blanco, ed. 1, 679; ed. 2, 472. Reduced by Villar to *Ficus radicans* Roxb., which is a synonym of *Ficus rostrata* Lam. Possibly correctly referred.
- \* **Ficus aspera volubilis** Blanco, ed. 1, 676; ed. 2, 472. Erroneously reduced by Villar to *Ficus hederacea* Roxb., which is probably a synonym of *Ficus scandens* Roxb. Blanco's specimens were from Calapan, Mindoro, a small vine with very rough leaves. T., *Hagupit*.
- Ficus aspera nota** Blanco, ed. 1, 677; **Ficus scabra** Blanco ed. 2, 471, non Forst. = *Ficus nota* (Blanco) Merrill, Govt. Lab. Publ. 17: 10. 1904.! Erroneously reduced by Villar to *Ficus racemifera* Roxb. T., *Tibig*.
- Ficus glomerata** Blanco, ed. 1, 683; ed. 2, 475, non Roxb. = *Ficus minahassæ* Miq.! Erroneously considered by Villar to be identical with Roxburgh's species. T., *Tibig na lalaqui*. V., *Haguimit*, *Aimit*.
- Ficus laevigata** Blanco, ed. 1, 682; ed. 2, 474 = *Ficus variegata* Blume.! Erroneously reduced by Villar to *Ficus cuneata* Miq. T., *Tangisang bayauac*.
- Ficus hauili** Blanco, ed. 1, 684; **Ficus laurifolia** Blanco, ed. 2, 475. Apparently a distinct species. Reduced by Villar to *Ficus leucopleura* Blume, which is a synonym of *Ficus leucantatoma* Miq. A shrub or small tree. T., *Hauili*.

- \* **Ficus laccifera** Blanco, ed. 1, 673; ed. 2, 468, non Roxb. Reduced by Villar to *Ficus radiata* Deene., which is also a synonym of *Ficus leucantatoma* Poir. Villar's reduction is probably an error. Blanco's specimens were from Cebu and Negros, said to be a very common shrub. V., *Lagnob*.
- Ficus pseudopalma** Blanco, ed. 1, 680; ed. 2, 473. A distinct species! This species is not listed in Index Kewensis. T., *Niogniogan*.
- Morus tinctoria** Blanco, ed. 1, 404, non Linn.; **Broussonetia tinctoria** Blanco, ed. 2, 488, non Spreng. = *Cudrania obovata* Trec.! T., *Tahid labuyo*. I., *Talolong*.
- Artocarpus incisa** Linn. f., Blanco, ed. 1, 668; ed. 2, 465.! The earliest name for this species is *Artocarpus communis* Forst. T., V., P., *Antipolo*, *Tipolo*.
- Artocarpus rima** Blanco, ed. 1, 671; ed. 2, 467. Reduced by Villar to *Artocarpus incisa* Linn. f., var. *lævis* Miq. From Blanco's description certainly not this variety. A form or variety of the preceding species! T., *Rima*. V., *Colo*. C., *Ogob*. ?
- Artocarpus camansi** Blanco, ed. 1, 670; ed. 2, 467. A form or variety of *Artocarpus incisa* Linn. f.! T., V., *Dalangain*, *Dolongain*, *Camongsi*. I., *Pacac*.
- Artocarpus odoratissima** Blanco, ed. 1, 671; ed. 2, 467. Certainly closely related to *Artocarpus incisa* Linn. f., and probably only a variety of that species. T., *Loloi*.
- Artocarpus maxima** Blanco, ed. 1, 669; **Artocarpus integrifolia** Linn. f., Blanco, ed. 2, 466. The latter name is correct. T., *Nangea*.
- Artocarpus ovata** Blanco, ed. 1, 666; ed. 2, 464, non Noronha = *Artocarpus cumingiana* Trec.! T., *Anobing*, *Anobling*. P., *Anobion*.
- Artocarpus lamellosa** Blanco, ed. 1, 667; ed. 2, 465. Reduced by Villar to *Artocarpus nitida* Trec., but Blanco's name is the older and should be retained. T., *Anobing caguosing*, *Anobling*.
- Procris violacea** Blanco, ed. 1, 706; ed. 2, 490 = *CONOCEPHALUS VIOLACEUS* (Blanco) (*Conocephalus ovatus* Trec.!). Erroneously reduced by Villar to the related Malayan species, *Conocephalus suaveolens* Blume. T., *Lagna*.
- \* **Procris erecta** Blanco, ed. 1, 707; ed. 2, 490. Reduced by Villar to *Conocephalus*, as a distinct species, *C. erectus* (Blanco) F.Vill. Known only from Blanco's description. T., *Hanopol*.
- Urtica sessiliflora** Blanco, ed. 1, 696, non Swartz; **Urtica capitata** ? Blanco, ed. 2, 483, non L. = *Fleurya interrupta* Gaud.! T., *Lipang Castila*. V., *Langala*, *Damoro*, *Dalamo*, *Daodaua*. P., *Lopa*.
- Urtica umbellata** Blanco, ed. 1, 696, non Bory; **Urtica ferox** Blanco, ed. 2, 484, non Forst. = *Laportea gaudichaudiana* Wedd.! T., V., *Lipa*, *Lipai*, *Lingaton*, *Apariagua*. P., *Lipang doton*.
- \* **Dorstenia pubescens** Blanco, ed. 1, 692; ed. 2, 481, non Forst. Reduced by Villar to *Elatostema obtusum* Wedd., which is probably an error. Certainly, however, a species of *Elatostema*.

**Urtica nivea** Linn., Blanco, ed. 1, 697; ed. 2, 484 = *Boehmeria nivea* (Linn.) Hook. et Arn.! I., Ig., *Amarai*, *Arimai*, *Labnis*.

**Urtica villosa** Blanco, ed. 1, 695; ed. 2, 483, non Salzm. Reduced by Villar to *Pouzolzia indica* Gaud., which is probably correct.

\* **Urtica japonica** Blanco, ed. 1, 684; ed. 2, 482, non Linn. Reduced by Villar to *Pouzolzia viminea* Wedd., which is probably an error. Probably, however, a species of *Pouzolzia*.

**Urtica baccifera** Blanco, ed. 1, 695, non Linn.; **Urtica arborescens** Blanco, ed. 2, 483, non Poir. = *Pipturus asper* Wedd.! T., *Dalonot*. V., *Dalonotan*, *Handaramai*, *Hindalamai*. P., *Dalonot*.

### JUGLANDACEÆ.

**Gyrocarpus pendulos** Blanco, ed. 2, 55 = *Engelhardtia spicata* Blume.! T., *Pingol*.

### CASUARINACEÆ.

**Casuarina equisetifolia** Forst., Blanco, ed. 1, 661; ed. 2, 460. Certainly this species, although Villar refers it to *Casuarina sumatrana* Jungh. T., *Agoho*. V., *Agoho*, *Malabohoc*. P., *Agoho*. I., *Aro*, *Caro*, *Agoo*.

### CUPULIFEREÆ.

**Quercus molucca** Blanco, ed. 1, 726, non Rumph.; **Quercus concentrica** Blanco, ed. 2, 502, non Lour. = *Quercus llanosii* A. DC.! T., *Alayan*, *Hayopag*.

**Quercus glabra** Blanco, ed. 1, 727, non Thunb. **Quercus ovalis** Blanco, ed. 2, 502. A distinct species; the second name should be retained. *Quercus blancoi* A. DC., is a synonym. T., *Macabingao*, *Mangasiri-qui*, *Hayopag*.

\* **Quercus cooperta** Blanco, ed. 2, 503. Reduced by Villar to *Castanopsis costata* A. DC., probably, however, some species of *Quercus*. Blanco's specimens were from Angat.

\* **Quercus cerris** Blanco, ed. 1, 727; ed. 2, 503. Reduced by Villar to *Castanopsis javanica* A. DC., probably, however, some species of *Quercus*. Blanco's specimens were from Angat.

**Fagus philippinensis** Blanco, ed. 2, 503 = *Castanopsis philippinensis* (Blanco) Vidal.! Erroneously referred by Villar to *Castanopsis sumatrana* A. DC. T., *Tacatac*, *Talacatac*, *Lovian*.

### SALICACEÆ.

**Salix azaolana** Blanco, ed. 2, 539. Reduced by Villar to *Salix tetrasperma* Roxb., but apparently a distinct species, represented by Nos. 1987 and 2139 Forestry Bureau, Ahern's collector. T., *Tiaun*.

## GNETACEÆ.

- Gnetum gnemon** Linn., Blanco, ed. 1, 747; ed. 2, 514.! T., *Culiat*.  
**Thoa pendula** Blanco, ed. 1, 746; **Thoa edulis** Blanco, ed. 2, 514. Reduced by Villar to *Gnetum scandens* Roxb., but probably the same as *Gnetum latifolium* Blume. T., *Culiat*, *Lamparahan*, *Biasbias*, *Taval*, *Malaitmo*, *Bangal*, *Itmong ouac*.

## CONIFEREÆ.

- Agathis loranthifolia** Blanco, ed. 2, 528, non Salisb. = *Agathis philippinensis* Warb.!  
**Pinus taeda** Blanco, ed. 1, 767; ed. 2, 528, non Linn. = *Pinus insularis* Endl.! I., *Saleng*.

## CYCADACEÆ.

- Cycas circinalis** Linn., Blanco, ed. 1, 745; ed. 2, 513.! T., *Patúbo*, *Pitogo*, *Bitógo*.

## HYDROCHARIDEÆ.

- Ottellia alismoides** Pers., Blanco, ed. 1, 461; ed. 2, 321.! T., *Calaboa*.  
**Ottellia ensiformis** Blanco, ed. 1, 460; ed. 2, 320. Retained by Naves as a distinct species, citing *Damasonium lancifolium* Presl., as a synonym. Certainly a form of the preceding species.! Blanco's specimens were from Pasig, Province of Rizal, flowering in March. T., *Espada*.  
**Vallisneria spaerocarpa** Blanco, ed. 1, 780; ed. 2, 538 = *Enhalus koenigii* Rich.! T., *Isai*.  
**Vallisneria spiralis** Linn., Blanco, ed. 1, 781; ed. 2, 538.! T., *Cintas-cintasan*.

## SCITIMINEÆ.

- Musa.** Blanco describes eighteen varieties of the Banana, which, with the exception of four, are being placed by him under the species *Musa paradisiaca* Linn. He states that he saw in the Philippines fifty-seven varieties, and divides the various forms and species into two groups, those with thick-skinned fruit, and those with thin-skinned fruit. The many varieties described by Blanco are mostly entirely ignored by Schumann<sup>1</sup> in his recent monograph of the family, although many of them are very characteristic. It is quite impossible with our present information to correlate Blanco's varieties with those of other authors from the Malayan region, and accordingly the following list is copied from the two editions of this Flora, without reference to the identifications of Naves. The common native name for Bananas is *Saguing*, the Spanish names *Platanos* and *Plantanos* being also frequently used.

- Musa paradisiaca** Linn., Blanco, ed. 1, 239; ed. 2, 168.

<sup>1</sup> Engler, *Pflanzenreich* 4, 1900.

## BANANAS WITH THICK-SKINNED FRUITS.

- \* *M. paradisiaca compressa* Blanco, ed. 1, 240; ed. 2, 168. T., *Bisco, Saba*. Sp-Fil., *Obispo*.
- \* *M. paradisiaca ternatensis* Blanco, ed. 1, 243; ed. 2, 170. T., *Ternate, Gloria*.
- \* *M. paradisiaca lacatan* Blanco, ed. 1, 243; ed. 2, 170. T., *Lacatan*.
- \* *M. paradisiaca pumila* Blanco, ed. 1, 244; ed. 2, 171. T., *Tampohin*.
- \* *M. paradisiaca suaveolens* Blanco, ed. 1, 244; ed. 2, 171. T., *Bungulan*.
- \* *M. paradisiaca magna* Blanco, ed. 1, 244; ed. 2, 171. T., *Tondoc*.
- \* *M. paradisiaca subrubea* Blanco, ed. 1, 245; ed. 2, 171.
- \* *M. paradisiaca violacea* Blanco, ed. 1, 245; ed. 2, 171.
- \* *M. paradisiaca glaberrima* Blanco, ed. 1, 245; ed. 2, 171. T., *Galamai señora, Dinugan*.
- \* *M. paradisiaca maxima* Blanco, ed. 1, 245; ed. 2, 171. T., *Batavia, Matavia, Songai, Anuang*.
- \* *M. paradisiaca longa* Blanco, ed. 1, 245; ed. 2, 171. T., *Quinauayan*.
- \* *M. paradisiaca tombac* Blanco, ed. 1, 246; ed. 2, 171. T., *Tinumbaga, Goyoran*.
- \* *M. paradisiaca ulnaris* Blanco, ed. 1, 246; ed. 2, 172. This variety should be entirely discarded, as Blanco described it entirely from hearsay, and never saw specimens. "Los que han visto y comida el fruto, dicen que es del grueso de la pantorrilla, y que llega á tener hasta una braza de largo!"
- M. troglodytarum* Linn., Blanco, ed. 1, 246; ed. 2, 172 = *Musa paradisiaca* Linn., subsp. *troglodytarum* (Linn.) Baker. T., *Botohan, Botoan*.
- M. trogloditarum errans* Blanco, ed. 1, 247; ed. 2, 172. Certainly a form or variety of *Musa textilis* Neé! T., *Saguing machin, Saguing na ligao*.
- \* *M. troglodytarum dolioliformis* Blanco, ed. 1, 855; ed. 2, 174.
- M. trogloditarum textoria* Blanco, ed. 1, 247; ed. 2, 173 = *Musa textilis* Neé! T., *Abacá*.

## BANANAS WITH THIN-SKINNED FRUITS.

- \* *M. paradisiaca glauca* Blanco, ed. 1, 250; ed. 2, 175. T., *Bingticohol, Tinalong*.
- \* *M. paradisiaca cinerea* Blanco, ed. 1, 250; ed. 2, 175. Said by Blanco to have been introduced from India. T., *Letondal*.
- Amomum zingiber* Linn., Blanco, ed. 1, 2; ed. 2, 2 = *Zingiber officinale* Rose! T., *Luya*. C., *Laya*.
- Amomum zerumbet* Linn., Blanco, ed. 1, 2; ed. 2, 2 = *Zingiber zerumbet* (Linn.) Rose! T., *Luyang osiu, Lampuyan?*
- Curcuma longa* Linn., Blanco, ed. 1, 5; ed. 2, 4! T., *Dilao*. V., *Dulao, Calavaga, Quinamboy*. P., *Angai*.



- \* **Costus luteus** Blanco, ed. 1, 4; ed. 2, 3 = *Curcuma xanthorrhiza* Roxb. (?) T., *Tamahilan, Tamohilan, Tamo, Tamocansi, Tumahila, Bolon.* P., *Tamo.*
- \* **Costus nigricans** Blanco, ed. 1, 3; ed. 2, 3. Reduced by Naves to *Curcuma zerumbet* Roxb., which is a synonym for *Curcuma zedoaria* Rose. The latter name is probably the correct one for Blanco's species. T., *Barac, Lampuyang.*
- Kaempferia rotunda** Blanco, ed. 1, 5; ed. 2, 4, non Linn. Reduced by Naves to *Kaempferia galanga* Linn., var. Probably a form of this species. T., *Dusog, Duso, Dusod, Guisol.* P., *Cusol, Guisol, Dusol.*
- \* **Amomum echinatum** Willd., Blanco, ed. 2, 3. Reduced by Naves to *Amomum aculeatum* Roxb., var. *majus*. This may be correct. Blanco's specimens were from Angat, Province of Bulacan.
- Renealmia gracilis** Blanco, ed. 1, 1; **Renealmia exaltata** Blanco, ed. 2, 1, non Linn. = *Alpinia elegans* (Presl) K. Sch. (*Kolowratia elegans* Presl; *Alpinia gracilis* Rolfe). Erroneously reduced by Naves to *Alpinia gigantea* Blume. T., *Tagbac.* P., V., *Catcatan, Catotang, Tagbac, Salbac, Bagombon.*
- Maranta arundinacea** Blanco, ed. 1, 7; ed. 2, 5, non Linn. = *Donax arundastrum* Lour.! T., *Tagbactagbac, Bamban.*
- Canna indica** Linn., Blanco, ed. 1, 6; ed. 2, 5.! T., *Cacuentasan, Tiquis tiquis, Ticas, Ticas ticas.*

## ORCHIDACEÆ.

- \* **Epidendrum equitans** Blanco, ed. 1, 645; ed. 2, 449. Reduced by Naves to *Eria aporoides* Lindl., but the identification is very doubtful. Said by Blanco to be common in the Tala Mountains, Province of Rizal or Bulacan.
- \* **Epidendrum lineare** Blanco, ed. 1, 644; ed. 2, 449, non Linn. Reduced by Naves to *Cleisostoma ionosmum* Lindl., which may possibly be correct.
- \* **Orchis lanigera** Blanco, ed. 1, 641; ed. 2, 446. Reduced by Villar to *Aerides virens* Lindl., which is probably an error. Flowering in July.
- Arethusa glutinosa** Blanco, ed. 1, 641; ed. 2, 446. Reduced by Naves to *Geodorum semicristatum* Lindl., which is probably correct. T., *Cebollas del monte, Pariqtan, Camaog.*
- \* **Cypripedium bulbosum** Blanco, ed. 1, 637; ed. 2, 444, non Linn. Reduced by Naves to *Eulophia sumatrana* Blume, which is probably an error. A small plant, flowering in July.
- \* **Dendrobium teretifolium** Spreng. ? Blanco, ed. 2, 444; *D. teres* Blanco, ed. 1. 638. Naves considers that Blanco correctly interprets Sprengel's species, and reduces it to *Luisa teretifolia* Gaud. Blanco's specimens were from Angat, Province of Bulacan, flowering in January or March.
- Phalaenopsis amabilis** Blume, Blanco, ed. 2, 592. Probably correctly determined by Blanco. T., *Dapo.*

- \* **Ophrys cernua** Blanco, ed. 1, 639; ed. 2, 445. Reduced by Naves to *Grammatophyllum scriptum* Blume, which is probably an error. A terrestrial plant, growing near the sea, at Bauang, Province of Batangas, flowering in March.
- \* **Vanilla ovalis** Blanco, ed. 2, 448; **Epidendrum vanilla** Blanco, ed. 1, 643, non L. Naves considers that Blanco's species is identical with *Vanilla aromatica* Sw., but this is probably an error. Blanco's specimens were from Majayjay, Province of Laguna.
- \* **Vanilla majajensis** Blanco, ed. 2, 593. Reduced by Naves to *Vanilla planifolia* Ait., which is probably an error. Probably the same as the species described by Blanco as *Vanilla ovalis*, whatever that may be. Blanco's specimens were from the same locality as the preceding species.
- \* **Thelymitra malintana** Blanco, ed. 1, 462; ed. 2, 447. Reduced by Naves to *Habenaria trinervis* Wight., which is probably an error, at least as to the species. Said by Blanco to be very common in Malinta, near Manila, flowering in October.

### IRIDACEÆ.

- Antholyza meriana** Blanco, ed. 1, 24; ed. 2, 18, non Linn. Reduced by Naves to *Sisyrinchium palmifolium* Linn., an American species, which may be correct. Blanco's specimens were from cultivated plants flowering in November. Sp.-Fil., *Cebollas de Persia*.

### AMARYLLIDACEÆ.

- Gethyllis acaulis** Blanco, ed. 1, 260; ed. 2, 181. Reduced by Naves to *Hypoxis franquevillei* Miq. = *Hypoxis flava* Lour., which is certainly correct. Blanco's specimens were from Malinta, near Manila, flowering in October.
- Agave americana** Blanco, ed. 1, 258; ed. 2, 180 = *Agave rigida* Mill. var.! T., *Magui*.
- Polianthes tuberosa** Linn., Blanco, ed. 1, 259; ed. 2, 181. Correctly identified by Blanco, a Mexican species introduced and cultivated, flowering in May. Sp.-Fil., *Azucena*.
- Crinum giganteum** Blanco, ed. 2, 175, non Andr.; **Haemanthus pubescens** Blanco, ed. 1, 253. Reduced by Naves to *Crinum asiaticum* Linn., which may be correct. T., *Bacong*.
- Crinum asiaticum** Blanco, ed. 1, 251; ed. 2, 175, non Linn. Reduced by Naves to *Crinum gracile* E. Meyer, which is probably correct. Blanco's specimens were from Mandaloyon, near Manila, flowering in July.
- \* **Amaryllis atamasco** Blanco ed. 1, 254; ed. 2, 178, non Linn. Reduced by Naves to *Hippeastrum miniatum* Herb., an American species, which may be correct, although Blanco does not state whether or not the plant was cultivated. Flowering in February. T., *Bacong*, *Talicanan*.

**Pancratium amboinense** Linn., ? Blanco, ed. 1, 252; ed. 2, 177. Reduced by Naves to *Eurycles amboinensis* Herb. = *Eurycles sylvestris* Salisb., which may be correct. Common along the seashore, flowering in April. T., *Catongal*. V., *Abur*, *Panabor*, *Catungal*, *Talaonor*, *Tonuar*, *Dausum*.

\* **Pancratium maritimum** Blanco, ed. 1, 252; ed. 2, 177, non Linn.? The genus is probably correct, but the species is very doubtful. *Pancratium maritimum* Linn., is an American species. Blanco's specimens were from the Province of Batangas, there called *Cebollas del Monte*, from which it is evident that the plant that Blanco describes was probably from the forests, and not from the seashore.

**Pancratium zeylanicum** Linn., Blanco, ed. 1, 253; ed. 2, 177. Probably correctly identified by Blanco. Flowering in April. T., *Lunas*, *Catongal*. Sp.-Fil., *Rosas de Persia*.

\* **Pancratium illyricum** Blanco, ed. 1, 251; ed. 2, 176, non Linn. Reduced by Naves to *Hymenocallis adnata* Herb., an American species which may be correct, although Blanco does not state whether or not his material was from cultivated specimens. Flowering in June. T., *Tagalhi*.

## BROMELIACEÆ.

**Bromelia ananas** Linn., Blanco, ed. 1, 230; ed. 2, 162 = *Ananassa sativa* Lindl.! Sp.-Fil., *Piña*.

## TACCACEÆ.

**Tacca pinnatifida** Forst., Blanco, ed. 2, 182; *Tacca gaogao* Blanco, ed. 1, 262, 856. The first name is correct. Z., *Tambobon*. I., *Panarien*. T., *Gaogao*.

**Tacca vesicaria** ? Blanco, ed. 1, 261; **T. palmata** Blanco, ed. 2, 182. Considered by Naves to be identical with *Tacca palmata* Blume. Blanco's specimens were from Malinta, near Manila, flowering in July. V., *Magsaloro*. Sp.-Fil., *Corazon de Angel*.

## DIOSCOREACEÆ.

\* **Dioscorea divaricata** Blanco, ed. 1, 797; ed. 2, 550. Reduced by Naves to *Dioscorea batatas* Decne., but even if correctly referred, Blanco's name is the older. A species flowering in October, the tubers very deep in the ground. T., *Paquit*, *Cobag*. V., *Baliacag*. I., *Dulian*.

**Dioscorea alata** Linn., Blanco, ed. 1, 799; ed. 2, 550.! T., *Ubi*. V., *Quinampai*.

**Dioscorea pentaphylla** Linn., Blanco, ed. 1, 802; ed. 2, 552.! T., *Limalima*.

**Dioscorea papillaris** Blanco, ed. 1, 801; ed. 2, 552. Reduced by Naves to *Dioscorea sativa* Linn., which is probably correct. T., *Tongo*. Quiroi.

**Dioscorea triphylla** Blanco, ed. 1, 799; ed. 2, 551, non Linn. = *Dioscorea daemona* Blume.! Reduced by Naves to *Dioscorea hirsuta* Blume. T., *Nami*. V., *Corot*, *Gayos*. P., *Calut*.

**Dioscorea tugui** Blanco, ed. 1, 800; **Dioscorea sativa** Blanco, ed. 2, 551, non Linn. = *Dioscorea fasciculata* Roxb.! T., *Toqui*.

## LILIACEÆ.

**Smilax pseudochina** Blanco, ed. 1, 795; ed. 2, 548, non Linn. = *Smilax bracteata* Presl, for most part, although Naves considers that Blanco's description also applies in part to *Smilax china*, *S. laevis* and *Heterosmilax bornensis* A. DC. T., *Obat*, *Hampas tagbalang*, *Camagsa obat*. V., *Banag*, *Ubiubihan*, *Ronas*. P., *Barag*. Sp.-Fil., *Zarzaparrilla*.

\* **Smilax fistulosa** Blanco, ed. 1, 796; ed. 2, 549. Reduced by Naves to *Smilax indica* Vitm., which may be correct. Blanco's description is very imperfect.

**Smilax latifolia** Blanco, ed. 2, 548. Reduced by Naves to *Smilax macrophylla* Roxb., which may be correct. T., *Sipit olang*. V., *Ronas*.

\* **Smilax divaricata** Blanco, ed. 1, 795; ed. 2, 548. Reduced by Naves to *Dioscorea myriantha* Kunth. From Blanco's description the species may be either a *Smilax* or a *Dioscorea*, but from the native names it is apparently a species of *Smilax*. T., *Obat*, *Camagsa obat*, *Hampas tagbalang* or *tigbalang*.

**Flagellaria indica** Linn., Blanco, ed. 2, 196.! T., *Balinguai*.

**Dracaena terminalis** Linn., Blanco, ed. 1, 263; ed. 2, 183 = *Cordyline terminalis* (Linn.) Kunth.! T., *Varas hari*, *Varas ni Jesé*, *Toncod obispo*.

**Aloe humilis** Blanco, ed. 1, 256; ed. 2, 179, non ? Linn. Reduced by Villar to *Aloe barbadensis* Mill. A cultivated species. T., *Sabila*. V., *Dilang boaya*.

**Allium tricoccum** Blanco, ed. 1, 239; ed. 2, 167, non Ait. Reduced by Villar to *Allium uliginosum* Don., which is cited by Hooker as a synonym of *Allium tuberosum* Roxb. T., *Cuchai*. V., *Ganda*.

## PONTEDERIACEÆ.

**Pontederia vaginalis** Blanco, ed. 1, 255; ed. 2, 178, non Linn. = *Monochoria hastaeifolia* Presl.! T., *Calaboa*.

## COMMELINACEÆ.

**Lechea minor** Blanco, ed. 1, 52; ed. 2, 35, non Linn. = *Pollia sorzogonensis* Presl.! V., *Lohod lohod*.

**Commelyna polygama** Blanco, ed. 1, 25; ed. 2, 18, non Roth. = *Commelina benghalensis* Linn.! T., *Alicbangon*. V., *Sabilao*. P., *Biasbias*.

**Commelyna cristata** Linn., Blanco, ed. 1, 231; ed. 2, 163 = *Cyanotis cristata* (Linn.) R. et S.!

**Tradescantia geniculata** Blanco, ed. 1, 232, non Jacq. = *Floscopa scandens* Lour.! This species is excluded from the second edition.

**Tradescantia discolor** Smith, Blanco, ed. 1, 232; ed. 2, 163 = *Rhaeo discolor* Hance.!

## PALMÆ.

- Calamus usitatus** Blanco, ed. 1, 265; ed. 2, 185 = *Dacmonorops gaudichaudii* Mart.! Erroneously reduced by Naves in part to *Daemonorops rumphii* Mart., and in part to *Calamus piscicarpus* Blume, species that do not extend to the Philippines. T., Yantoc, Ouyi.
- Calamus gracilis** Blanco, ed. 1, 267; ed. 2, 186, non Roxb. = *Calamus blancoi* Kunth.! Erroneously reduced by Naves to *Calamus buroensis* Mart., a species that does not extend to the Philippines. T., Talola.
- Calamus mollis** Blanco, ed. 1, 664; ed. 2, 184. A good species; *Calamus haenkeanus* Mart., is a synonym. T., Dit-an.
- Calamus maximus** Blanco, ed. 1, 266; ed. 2, 185. This is a distinct species (No. 1893 Merrill). It certainly is not a synonym of *Calamus albus* Pers., to which Naves reduces it, as the latter species is not found in the Philippines. T., Palasan. P., Labni. V., Parasan, Calapi. C., Labnit, Calapi.
- Areca catechu** Linn., Blanco, ed. 1, 714; ed. 2, 494.! T., V., Bonga. P., Luyos.
- Areca catechu humilis** Blanco, ll. cc., may be a valid variety. It is reduced by Naves to *Areca catechu* Linn., var. *pumila* Miq. T., Mangipod, Sacsic.
- Caryota urens** Blanco, ed. 1, 740; ed. 2, 510, non Linn. = *Caryota cumingii* Lodd.! T., Taguipan, Taguipan.
- Caryota palindan** Blanco, ed. 2, 513 = ORANIA PALINDAN (Blanco) (*Orania philippinensis* Scheff.). Erroneously reduced by Naves to *Orania regalis* Zipp. T., Palindan, Barangoi.
- Caryota tremula** Blanco, ed. 1, 744; ed. 2, 512. Reduced by Naves to *Wallichia tremula*, which may be correct. T., Dumayaca.
- Caryota onusta** Blanco, ed. 1, 741; ed. 2, 511 = *Arenga saccharifera* Lab.! T., Cauon, Iroc, Pugahan.
- Corypha umbraculifera** Linn., Blanco, ed. 1, 228; ed. 2, 160.! T., B., Buri, Buli.
- Corypha minor** Blanco, ed. 1, 229; ed. 2, 161, non Jacq. = *Livistona merrillii* Beccari.! Erroneously reduced by Naves in part to *Livistona rotundifolia* Mart., and in part to *L. papuana* Beccari, neither species being known from the Philippines. V., T., Anahao. P., Anao, Bolong ulong.
- Cocos nucifera** Linn., Blanco, ed. 1, 716; ed. 2, 495. T., I., C., Niog. P., Ngongot.
- Cocos mammilaris** Blanco, ed. 1, 722; ed. 2, 499. A form or variety of the preceding species reduced by Naves to the var. *lansiformis* Miq. T., Adiavan.
- Nipa littoralis** Blanco, ed. 1, 662; **Nipa fruticans** Wurm., Blanco, ed. 2, 461. The second name is correct. T., Nipa, Sasa.

## PANDANACEÆ.

- Pandanus spiralis** Blanco, ed. 1, 777; ed. 2, 535 = *Pandanus tectorius* Soland.! T., *Pandan*.
- Pandanus gracilis** Blanco, ed. 1, 778; ed. 2, 536. Erroneously reduced by Naves to *Pandanus humilis* Rumph., a species that does not extend to the Philippines. A species closely related to, if not identical with *Pandanus whitfordii* Merrill, although Blanco describes his species as unbranched. Blanco's specimens were from the Tala Mountains, Province of Rizal or Bulacan, flowering in May.
- Pandanus malatensis** Blanco, ed. 2, 536. Reduced by Naves to *Pandanus littoralis* Jungh. Certainly a form or variety of *Pandanus tectorius* Soland.! Blanco's specimens were from Malate, a suburb of Manila, flowering in November.
- \* **Pandanus exaltatus** Blanco, ed. 1, 778; ed. 2, 536. Erroneously reduced by Villar to *Pandanus fascicularis* Lam. Blanco evidently includes two species in his description, one form growing in the mountains, the other on the seashore. The latter is certainly *Pandanus tectorius* Soland., what the former is can not be determined from Blanco's description. T., *Alas-as*. In the Tala Mountains, *Carahumai*.
- \* **Pandanus sabotan** Blanco, ed. 1, 779; ed. 2, 537. Erroneously reduced by Naves to *Pandanus dubius* Spreng. Certainly a distinct species, but known only from Blanco's description. Blanco's specimens were from the Province of Laguna. T., *Sabotan*.
- Pandanus radicans** Blanco, ed. 1, 780; ed. 2, 537. Reduced by Naves to *Pandanus bagea* Miq., which is a synonym of *Pandanus dubius* Spreng., and which is probably correct. *Pandanus dubius* has recently been discovered in the southern Philippines. Blanco's specimens were from Leyte. V., *Olango*.
- \* **Pandanus inermis** Blanco, ed. 2, 537, non Roxb. Erroneously reduced by Naves to *Pandanus moschatus* Rumph. Probably a good species, but Blanco describes the leaves only. A species from the mountains near Angat, Province of Bulacan, the leaves without spines.
- \* **Tillandsia pseudo-ananas** Blanco, ed. 1, 853; ed. 2, 162. Reduced by Naves to *Freycinetia insignis* Blume, a species that does not extend to the Philippines. Probably a species of this genus, but it is impossible to determine which from Blanco's description. Blanco's specimens were from Angat, Province of Bulacan, flowering in August.

## ARACEÆ.

- \* **Batis hermaphrodita** Blanco, ed. 1, 791; ed. 2, 544. Reduced by Naves to *Pothos chapelieri* Schott., which is certainly an error, as that species is known only from Madagascar. The specimen of Vidal's collection, cited by Naves, is *Pothos scandens* Linn. Blanco's specimens were from Bauang, Province of Batangas, a scandent plant, flowering in December. T., *Apís*.

- Pothos pinnata** Blanco, ed. 1, 646; ed. 2, 450, non Linn. Reduced by Naves to *Epipremnum medium* Engl., which is probably correct. Flowering in February. T., *Tibatib, Tampin banal, Malapacpac bala-vay*. V., *Bisaco, Tirbatib, Dibatib, Balicupeup, Daila, Garban, Tacolin, Horog*. I., *Amolong*.
- Arum decurrens** Blanco, ed. 1, 656; ed. 2, 457 = *Amorphophallus campanulatus* Blume.! T., *Apon, Pongapon*. I., *Carot, Corot*.
- Calla gaby** Blanco, ed. 1, 659; **Caladium esculentum** Blanco, ed. 2, 459 = *Colocasia antiquorum* Schott.! var. T., V., P., *Gaby, Gávay, Lagvay, Dagmay, Gandus*.
- Calla badian** Blanco, ed. 1, 658. Reduced by Villar to *Alocasia indica* Schott. var. *variegata* Engl., which is certainly an error. Blanco's species is certainly a form of the preceding species.! Included in the second edition only in a note following *Caladium esculentum*. T., V., *Galiang, Biga, Badiang*.
- Calla maxima** Blanco, ed. 1, 658; **Arum grandifolium** Blanco, ed. 2, 458 = *Alocasia indica* Schott.! T., V., P., *Biga*.
- Arisaema polyphylla** Blanco, ed. 1, 659; **Caladium ? digitatum** Blanco, ed. 2, 459 = *ARISAEMA POLYPHYLLA* (Blanco) (*Arisaema cumingii* Schott.!). Blanco's specimens were from Ago, Province of Union.
- Arum divaricatum** Linn., Blanco, ed. 1, 657; ed. 2, 458. Reduced by Naves to *Typhonum divaricatum* Decaisne, which is probably correct. T., *Gabigabihan, Gabingouac*.
- Pistia stratiotes** Linn., Blanco, ed. 1, 651; ed. 2, 454.! T., *Quiapo*. I., *Loloan*.

### LEMNACEÆ.

- Lemna gibba** Blanco, ed. 1, 672; ed. 2, 468, non Linn. Reduced by Naves to *Lemna oligorrhiza* Kurz, which may be correct. T., *Inalai*.

### TYPHACEÆ.

- Typha angustifolia** Linn., Blanco, ed. 1, 687; ed. 2, 477 = *Typha angustifolia* Linn., subsp. *javanica*.! T., *Balangot*.

### NAIADACEÆ.

- \* **Najas palustris** Blanco, ed. 1, 660; **Najas lobata** Blanco, ed. 2, 459. Reduced by Naves to *Naias tenuifolia* R. Br., which is probably an error. Probably the same as *Naias minor* All. A plant growing in stagnant fresh water, flowering in March.

### CYPERACEÆ.

- Kyllinga triceps** Blanco, ed. 1, 34; ed. 2, 23, non Vahl. = *Kyllinga monocephala* Rottb.! T., *Muthang, Anuang*.
- \* **Cyperus difformis** Blanco, ed. 1, 32; ed. 2, 22, non Linn. Reduced by Naves to *Cyperus ornatus* R. Br., which is a synonym of *Cyperus procerus* Rottb., probably an error. T., *Titio, Tiquio*.

**Cyperus rotundus** Linn., Blanco, ed. 1, 31; ed. 2, 21.! T. *Mutha*. V., *Botobotoncs*. P., *Mota*, *Malaapolid*, *Sursur*, *Onoran*, *Casung*, *Oma-diung*, *Galonalpas*.

\* **Carex tuberosa** Blanco, ed. 1, 35; ed. 2, 24. Reduced by Naves to *Eleocharis tuberosa* Schult., which is probably an error, at least as to the species. Blanco's specimens were from Ilagonoy, Province of Bulacan, the tubers edible. T., *Potoc*, *Cibicibollasan*, *Apulid*. Sp.-Fil., *Cabezas de Negrito*.

**Carex glomerata** Blanco, ed. 2, 24, non Thunb. Reduced by Villar to *Fimbristylis ferruginea* Vahl., which may be correct. Blanco's specimens were from Mandaloyon, near Manila, flowering in January. T., *Apulid*.

**Scirpus niloticus** Blanco, ed. 1, 33; ed. 2, 23, non Gmel. = *Fimbristylis miliacea* Vahl.! T., *Agor*.

### GRAMINEÆ.

\* **Paspalum villosum** Blanco, ed. 1, 40; ed. 2, 28, non Thunb. Reduced by Villar to *Paspalum mollicomum* Kunth, which is a synonym of *Panicum muticum* Forsk. Blanco's description hardly applies to the latter species, which, moreover, is not definitely known from the Philippines. T., *Parag-is*.

**Panicum miliaceum** Blanco, ed. 1, 39; ed. 2, 28, non Linn. = *Chaetochloa italica* (Linn.) Scribn.! (*Setaria italica* Kunth.) T., *Dava*. I., *Bucacao*.

**Cenchrus hexaflorus** Blanco, ed. 1, 36; ed. 2, 24 = *Pennisetum macrostachyum* Brongn.! Reduced by Villar to *Pennisetum nigricans* Miq., which is a synonym of *Pennisetum compressum* R. Br. Blanco's specimens were from the Province of Batangas, flowering in June. T., *Aguingai*.

**Stipa spinifex** Linn., Blanco, ed. 1, 46; ed. 2, 31 = *Spinifex squarrosus* Linn.!

**Spinifex squarrosus** Linn., Blanco, ed. 1, 46; ed. 2, 31.!

**Ægilops fluviatilis** Blanco, ed. 1, 47; ed. 2, 32. Reduced by Villar to *Rottboellia muricata* Retz., which equals *Eremochloa muricata* (Retz.) Hack. Blanco's species probably is the same as *Manisuris exaltata* (Linn. f.) O. Ktze. T., *Timsim*.

**Zea mays** Linn., Blanco, ed. 1, 686; ed. 2, 476. Sp.-Fil., *Maiz*.

**Coix lachryma** Linn., Blanco, ed. 1, 688; ed. 2, 478 = *Coix lachryma-jobi* Linn.! T., *Tigbi*.

**Andropogon contortus** Linn., Blanco, ed. 1, 38; ed. 2, 26 = *Heteropogon contortus* (Linn.) R. et S.!

\* **Andropogon ramosus** Blanco, ed. 1, 37; ed. 2, 25, non Forsk. Reduced by Villar to *Ischaemum ciliare* Retz., which is certainly an error, at least as to the species. A species growing in the rice paddies in November, in appearance somewhat resembling wheat. T., *Tinitrigo* Sp.-Fil., *Trigo*.



- \* **Andropogon schoenanthus** Blanco, ed. 1, 39; ed. 2, 27, non Linn.  
 Considered by Villar to have been correctly identified by Blanco, but  
 it is very doubtful if Blanco describes the Linnean species. T., *Salai*,  
*Tanglad*, *Paja de meca*. V., *Baliyoco*.
- Andropogon nardus** Blanco, ed. 1, 39; ed. 2, 27, non Linn = *Andropogon*  
*squarrosus* Linn.! *Andropogon muricatus* Retz., to which Villar  
 reduces Blanco's species as a synonym of *Andropogon squarrosus* Linn.  
 Sp.-Fil., *Raiz de mora*, *Yerva mora*.
- Saccharum koenigii** Blanco, ed. 1, 44; ed. 2, 30, non Retz. = *Saccharum*  
*spontaneum* Linn.! Erroneously reduced by Villar to *Imperata*  
*arundinacea* Cyr. T., V., *Cogon*. P., *Ilib*, *Bálili*. C., *Cogon cogon*.
- Rhaphis trivialis** Lour., Blanco, ed. 1, 45; **Andropogon aciculatus** Retz.,  
 Blanco, ed. 2, 26 = *Chrysopogon aciculatus* (Retz.) Trin.! T., *Amores*  
*secos*, *Mariscos*, *Mariscos*.
- Holcus saccharatus** Linn., Blanco, ed. 1, 47; ed. 2, 32 = *Sorghum sac-*  
*charatum* (Linn.) Pers. var.! T., *Batad*.
- Saccharum officinarum** Linn., Blanco, ed. 1, 42; ed. 2, 29.! T., *Tubo*.  
 Sp.-Fil., *Caña dulce*.
- Anthistiria gigantea** Cav., Blanco, ed. 1, 49; ed. 2, 33.!

## SPECIES OF ORYZA GROWING IN WATER, LOWLAND RICE.

- Oryza sativa binamban** Blanco, ed. 1, 273; ed. 2 = *Oryza sativa* Linn.!  
 T., *Binambang*.
- Oryza sativa lamuyo** Blanco, ed. 1, 273; ed. 2, 190 = a variety of the  
 preceding species.! T., *Lamuyo*.
- Oryza sativa glutinosa** Blanco, ed. 1, 273; ed. 2, 190. Retained by Villar  
 as a distinct species, *Oryza glutinosa* Lour. Certainly a variety of  
*Oryza sativa* Linn. T., *Malagquit*.
- Oryza aristata** Blanco, ed. 1, 274; ed. 2, 190. Reduced by Villar to  
*Oryza montana* Lour. Certainly a variety of *O. sativa* Linn.!

## SPECIES OF ORYZA GROWING IN DRY PLACES, UPLAND RICE.

- Oryza sativa praecox** Blanco, ed. 1, 274; ed. 2, 190. Retained by Villar  
 as a distinct species, *Oryza praecox* Lour. Certainly a variety of  
*O. sativa* Linn.! T., *Dumali*.
- Oryza sativa quinanda** Blanco, ed. 1, 274; ed. 2, 191 = *Oryza sativa*  
 Linn., var.! T., *Quinanda*.
- Oryza sativa pilosa** Blanco, ed. 1, 275; ed. 2, 191. Retained by Villar  
 as a distinct species, *Oryza latifolia* Desv. Certainly a variety of  
*Oryza sativa* Linn.! T., *Bolohan*.
- Oryza sativa rubra** Blanco, ed. 1, 275; ed. 2, 191 = *Oryza sativa* Linn.  
 var. T., *Malagquit*.
- Oryza sativa violacea** Blanco, ed. 1, 275; ed. 2, 191 = *Oryza sativa* Linn.  
 var.! T., *Tangi*.

**Arundo tecta** Blanco, ed. 1, 48; ed. 2, 33, non Walt. = *Phragmites communis* Trin.! Reduced by Villar to *Phragmites roxburghii* Steud., which is a synonym of *Phragmites karka* Trin. T., *Tambo*.

**Cyperus paniculatus** Blanco, ed. 1, 32; ed. 2, 22, non aliorum = *Eragrostis tenella* R. et S.! T., *Caliraorao*.

**Bambus pungens** Blanco, ed. 1, 270; **Bambus arundo** Blanco, ed. 2, 188. Reduced by Villar to *Bambusa arundinacea* Willd., which is probably correct. T., *Cauayangtotoo*.

\* **Bambus lima** Blanco, ed. 1, 271; ed. 2, 189. Reduced by Villar to *Bambusa longinodis* Miq., but without good reason. Plant ten to fifteen feet high. T., *Anos*.

\* **Bambus textoria** Blanco, ed. 1, 270; ed. 2, 188. Reduced by Villar to *Gigantochloa ater* Kurz, but without good reason. T., *Calbang*.

**Bambus diffusa** Blanco, ed. 1, 269; ed. 2, 187 = *DINOCHLOA DIFFUSA* (Blanco). Reduced by Villar to *Schizostachyum acutiflorum* Munro. T., *Osiu, Bocavi*.

\* **Bambus monogyna** Blanco, ed. 1, 286; ed. 2, 187. Reduced by Villar to *Dendrocalamus strictus* Nees, which may be correct. T., *Cauayang quilang*.

\* **Bambus mitis** Blanco, ed. 1, 271; ed. 2, 188. Reduced by Villar to *Dendrocalamus sericeus* Munro, which is certainly an error. T., *Tiauanac*.

\* **Bambus lumampao** Blanco, ed. 1, 272; ed. 2, 189. Reduced by Villar to *Dendrocalamus membranaceus* Munro, which is probably an error. T., *Lumampao, Bocaui*.

\* **Bambus levis** Blanco, ed. 1, 272; ed. 2, 189. Reduced by Villar to *Dendrocalamus flagellifer* Munro, which is probably an error. T., *Cauayang boo*.

### LYCOPODIACEÆ.

\* **Lycopodium gnidioides** Blanco, ed. 1, 824; ed. 2, 569, non Linn. Reduced by Villar to *Lycopodium selago* Linn., which is certainly an error. An epiphyte. T., *Pacayomcom*.

\* **Lycopodium dichotomum** Blanco, ed. 2, 570. Reduced by Villar to *Lycopodium cernuum* Linn., which is probably an error. Blanco's specimens were from plants cultivated in Manila.

### MARSILEACEÆ.

\* **Marsilea minuta** Blanco, ed. 1, 834; ed. 2, 577, non ? Linn. Considered by Villar to be the Linnæan species, which is doubtful. Blanco's specimens were from Pasig, near Manila, and from the Province of Batangas and other places, March.

**Marsilea trifolia** Blanco, ed. 1, 835; ed. 2, 577. Reduced by Villar to *Pilularia globulifera* Linn., which may be correct. January.

## FILICES.

- \* **Myriotheca arborescens** Blanco, ed. 1, 831; ed. 2, 575. Reduced by Villar to *Cyathea integra* J. Sm. If this is correct Blanco's name is the earlier. T., *Calatondon*.
- \* **Adiantum falcatum** Blanco, ed. 1, 833; ed. 2, 576, non Sw. Reduced by Villar to *Lindsaya retusa* Mitten., which may be correct. Blanco's specimens were from Mandaloyon, near Manila.
- \* **Adiantum lancea** Blanco, ed. 1, 833; ed. 2, 576, non aliorum. Reduced by Villar to *Lindsaya ensifolia* Swartz, which may be correct.
- Adiantum philippinense** Blanco, ed. 1, 831; ed. 2, 575, non Linn. = *Adiantum lunulatum* Burm.! T., *Culantrillo*, *Lamot lamotan*, *Gayoman manoc*, *Caicai*. P., *Culantrillo*. I., *Dalipaco*.
- Adiantum tenuifolium** Blanco, ed. 1, 832; ed. 2, 575. Reduced by Villar to a variety of the preceding species, which is probably correct.
- Adiantum lyratum** Blanco, ed. 1, 832; ed. 2, 575. Reduced by Villar to *Adiantum caudatum* Linn., which may be correct.
- Coenopteris quadripinnata** Blanco, ed. 1, 833; ed. 2, 576 = *Onychium auratum* Kaulf.! T., *Pacong anuang*, *Diladila*.
- \* **Pteris grandifolia** Blanco, ed. 1, 829; ed. 2, 574. Reduced by Villar to *Pteris opaca* J. Sm., which may be correct. T., V., *Dagabas*, *Darias*, *Tagabas*.
- Naia obvoluta** Blanco, ed. 2, 460 = *Ceratopteris thalictroides* Brongn.!
- \* **Allantodia pinnata** Blanco, ed. 2, 571. Reduced by Villar to *Asplenium brackenridgei* Baker, which may be correct. Blanco's specimens were from Mandaloyon, near Manila, where he states that it is very common.
- Hemionitis incisa** Blanco, ed. 1, 829; ed. 2, 574 = *Asplenium esculentum* Presl.! T., *Paco*.
- Pteris piloselloides** Blanco, ed. 1, 830; ed. 2, 574. Reduced by Villar to *Nephrolepis acuta* Presl., which is probably correct.
- \* **Pteris trichomanoides** Blanco, ed. 1, 830; ed. 2, 574. Reduced by Villar to *Nephrodium ramosa* Moore, which is certainly an error. A foot high, growing on roofs.
- \* **Polypodium serratum** Blanco, ed. 1, 827; ed. 2, 572. Reduced by Villar to *Nephrodium floccigera* Moore, which may possibly be correct. Said by Blanco to be very common.
- \* **Pteris sinuata** Blanco, ed. 1, 830; **Polypodium adiantiforme** Blanco, ed. 2, 573. Reduced by Villar to *Nephrodium davallioides* Kunze, which may be correct. A fern three feet high.
- Polypodium phymatodes** Linn. Blanco, ed. 1, 827; ed. 2, 572.!
- Polypodium quercifolium** Linn., Blanco, ed. 1, 827; ed. 2, 572. T., *Paapac lauin*, *Paipai amo*. V., *Cabacun*, *Cabab*, *Cababan*. P., *Gona*, *Tibatib*. I., *Capacapa*.

- \* **Polypodium signatum** Blanco, ed. 2, 572; **Pteris signata** Blanco, ed. 1, 830. Reduced by Villar to *Polypodium albo-squamatum* Blume, which must be considered as doubtful. Blanco's specimens were from Mandalayon, near Manila.
- Ugena semihastata** Blanco, ed. 1, 822; ed. 2, 568. Reduced by Villar to *Lygodium dichotomum* Swartz, which is probably correct. T., *Nito*.
- Ugena alba** Blanco, ed. 1, 823; ed. 2, 569. Reduced by Villar to *Lygodium scandens* Swartz, which is probably correct. T., *Nitong puti*.
- Helminthostachys dulcis** Kaulf, Blanco, ed. 2, 596 = *Helminthostachys zeylanica* Hook.! T., *Tocoranguit*.
- \* **Achrostichum simplex** Blanco, ed. 1, 826; ed. 2, 571. This species is not cited by Villar by name but from the page citations, it is the species he intends to refer to *Achrostichum latifolium* Swartz, which reference is very doubtful.
- \* **Achrostichum tripinnatum** Blanco, ed. 1, 826; ed. 2, 571. Reduced by Villar to *Achrostichum apiifolium* Hook., which may be correct. Blanco's specimens were from Malinta, near Manila.
- Achrostichum lagolo** Blanco, ed. 1, 826; ed. 2, 720 = *Achrostichum aureum* Linn.! T., *Lagolo*.
- Blechnum colubrinum** Blanco, ed. 1, 834; ed. 2, 576 = **OLEANDRA COLUBRINA** (Blanco) Copeland.! A species related to *Oleandra neriiiformis* Cav., to which it was reduced by Villar. It is represented by No. 3238 Merrill. T., *Lunas*.

## CELLULAR CRYPTOGRAMS.

Villar makes no attempt to identify the few species of cellular cryptogams described by Blanco, but for completeness the list is here given.

- \* **Marchantia** ed. 1, 835; ed. 2, 577. Generic description only.
- \* **Tremella**, ed. 1, 837; ed. 2, 578. Generic description only.
- \* **Agaricus**, ed. 1, 845; ed. 2, 583. Generic description only, which also includes *Polyporus*. I., *Colatcolat*.
- \* **Sclerotium subterraneum** Blanco, ed. 1, 845; ed. 2, 584. A fungus found in the nests of the anay, white ant.
- \* **Fucus prolifer** Blanco, ed. 1, 838; ed. 2, 579.
- \* **Fucus denticulatus** Blanco, ed. 1, 839; **Fucus natans** Blanco, ed. 2, 579.
- \* **Fucus gulaman** Blanco, ed. 1, 839; **Fucus edulis** Blanco, ed. 2, 580. T., *Gulaman*.
- \* **Ulva umbilicalis** Blanco, ed. 1, 852; ed. 2, 581.
- \* **Ulva compressa** Blanco, ed. 1, 842; ed. 2, 581.
- \* **Ulva reticulata** Blanco, ed. 1, 842; ed. 2, 582.
- \* **Ulva intestinalis** Blanco, ed. 1, 842; ed. 2, 582.
- \* **Conferva littoralis** Blanco, ed. 1, 843; ed. 2, 582.
- \* **Conferva setosa** Blanco, ed. 1, 844; ed. 2, 582.

### UNDETERMINED SPECIES.

- \* **Cynomorium philippinense** Blanco, ed. 1, 665; ed. 2, 464. Blanco's specimens were from Cebu. V., T., *Capulao*.
- \* **Erotium lanigerum** Blanco, ed. 1, 440; ed. 2, 307. Blanco's specimens were from Cebu. V., *Hagonoi sa lasang*.
- \* **Kleinhovia serrata** Blanco, ed. 1, 653; ed. 2, 456. Blanco's specimens were from Pasig, Province of Rizal, a shrub or small tree, flowering in September.
- \* **Legnotis lanceolata** Blanco, ed. 1, 445. This species is not listed in Index Kewensis, and I have been unable to find the species in the second or third editions of the Flora de Filipinas or in the Novissima Appendix. Blanco's specimens were from Cebu, a tree flowering in February. V., *Barit*.
- \* **Nama jamaicensis** Blanco, ed. 1, 211; ed. 2, 148, non Linn. Perhaps Blanco's material was from some cultivated species.

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